

SN5501

In Reply Refer To: LE-3-1
OCS-G 4033

May 3, 1989

ACTION

ANR PIPELINE COMPANY

Right-of-Way

RELINQUISHMENT OF RIGHT-OF-WAY GRANT
ABANDONMENT OF PIPELINE

On May 3, 1979, Michigan Wisconsin Pipe Line Company filed an application for a right-of-way two hundred feet (200') in width for the construction, maintenance, and operation of a 10-inch natural gas pipeline, 0.82 miles in length, from CAGC's Platform "A" in Block 242, Vermilion Area, to a subsea tie-in with Tenneco Inc.'s 20-inch receiving line (OCS-G 3852) in Block 241, Vermilion Area. By Action dated effective September 18, 1979, the application was approved and the right-of-way granted. Proof of construction was subsequently accepted on August 26, 1980.

Effective January 1, 1984, Michigan Wisconsin Pipe Line Company changed its name to ANR PIPELINE COMPANY.

On March 24, 1989, ANR PIPELINE COMPANY requested relinquishment of the right-of way in its entirety. Additionally, grantee requested permission to abandon in place the aforementioned pipeline.

Inasmuch as grantee has agreed to comply with 30 CFR 250, Subpart J, removal of the 0.82 miles of line pipe is hereby waived. It is to be noted that in accordance with 30 CFR 250.156 (a)(1), pipelines to be abandoned in place shall be flushed, filled with seawater, cut, and plugged with the ends buried at least three (3) feet.

Therefore, the pipeline right-of-way grant is relinquished effective as of March 24, 1989, the date the request for relinquishment was filed in this office.

Original Signed: J. Rogers Pearcy

J. Rogers Pearcy
Regional Director

cc: Case File

bcc: SEQ(256.156) (LE-3-1)

MHolmes:alc

on mof
5/10/89
47
b4033
m5501



United States Department of the Interior



MINERALS MANAGEMENT SERVICE
GULF OF MEXICO OCS REGION
1201 ELMWOOD PARK BOULEVARD
NEW ORLEANS, LOUISIANA 70123-2394

In Reply Refer To: LE-3-1
OCS-G 4033

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J. Rogers Percy
Regional Director

cc: Case File

ANR Pipeline Company
a subsidiary of The Coastal Corporation

JOHN D. KOBASA
Vice President
Operations

March 20, 1989

Mr. D. J. Bourgeois
Regional Supervisor, Field Operations
U.S. Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394



Re: Abandonment and Relinquishment of
10-Inch Pipeline OSC-G 4033 from the
Conoco Platform "A" in Block 242 to the
Sub-Sea Tie-In on the Tenneco 20-Inch
Pipeline in Block 241, Vermillion Area,
Offshore Louisiana, Gulf of Mexico

Dear Mr. Bourgeois;

Attention: FO-2-2

Pursuant to the Minerals Management Service (MMS) Regulations under the title Abandonment and Relinquishment, 30 CFR, Part 250, Sub-Par "J", ANR Pipeline Company, hereby, makes notification to the MMS of the abandonment of it's 10-inch diameter pipeline extending from the Conoco Platform "A" in Block 242 to a sub-sea tie-in on the 20-inch Tennessee Gas Pipeline in Block 241, Vermillion Area, Offshore Louisian, Gulf of Mexico.

ANR would like to start the abandonment work the week of March 27, 1989, because Conoco would like to have access to the platform before April 15, 1989 for possible removal by that time for further use elsewhere.

The specific removal and abandonment work of the pipeline is shown on the attached marked-up drawings.

Enclosed are three (3) Original Signature Application Letters with three (3) prints each of Drawings No. PL-622-32-1, L-10 E, AL-PL-01-A-144 and M (LA) EC-901 attached, showing the proposed abandoned facilities.

ANR Pipeline Company does not anticipate any further use of this facility.

The pipeline was permitted September 18, 1979.

ACCEPTED

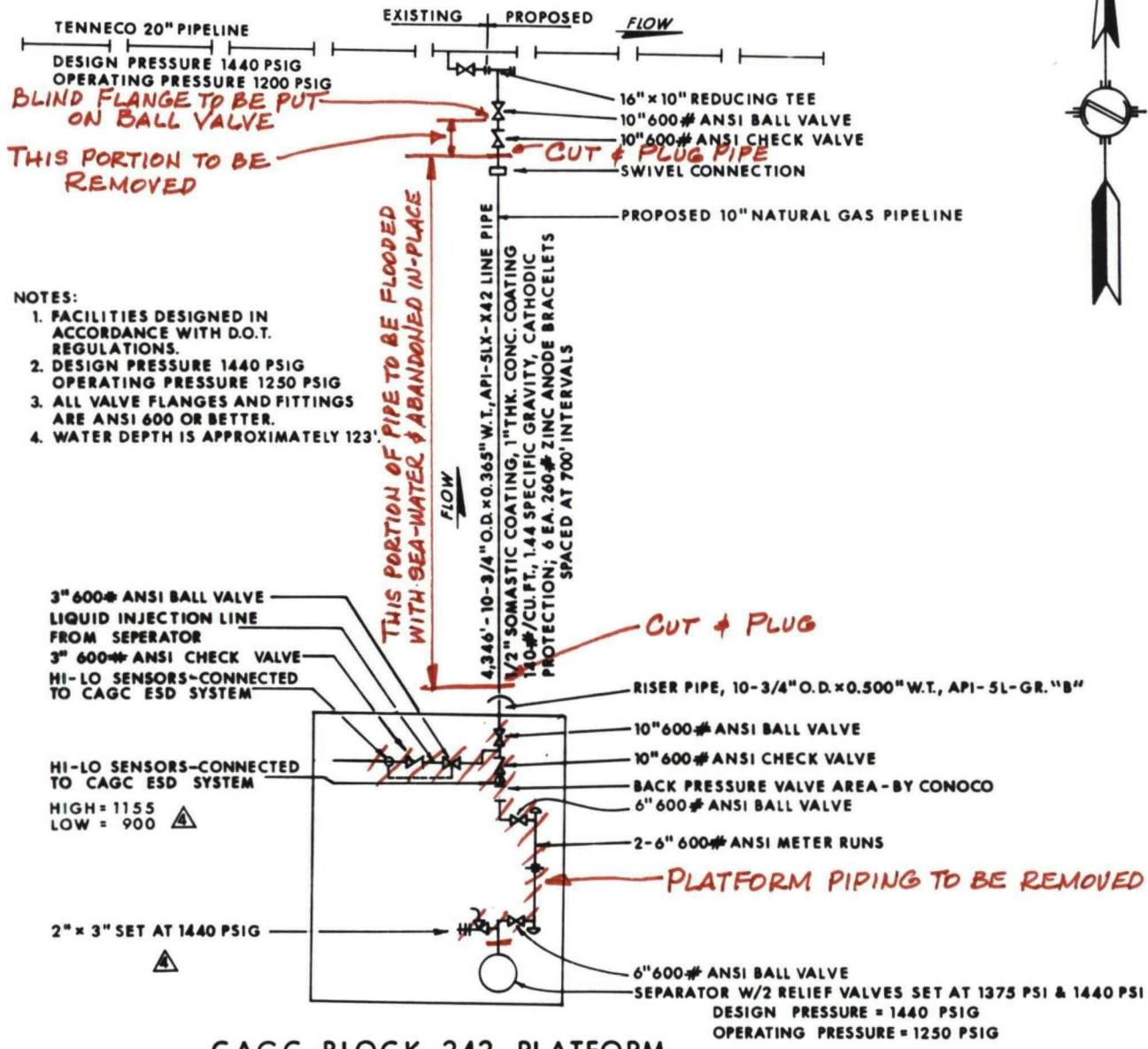
Regional Director

Effective Date MAR 24 1989

Yours truly,

John D. Kobasa

TMF/wh
Enclosures



CAGC BLOCK 242 PLATFORM
VERMILION AREA

- ▲ SHOWED RELIEF & SET POINTS 8-11-86 APP'D *JD* EH
- ▲ GENERAL REVISION EDW 7-21-79 APP'D *EDW*
- ▲ REVISED PIPE DATA EDW 6-28-79 APP'D *EDW*
- ▲ GENERAL REVISION EDW 4-24-79 APP'D *EDW*

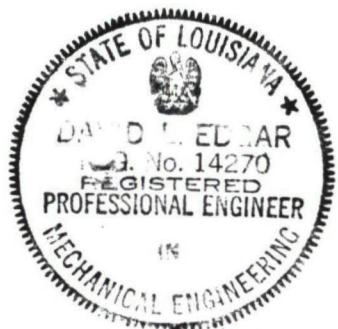
SCALE NONE	
DRAWN E.W.	DATE 2-22-79
CHECKED <i>WA</i>	DATE 3-26-79
APPROV. <i>EDW</i>	DATE 3-29-79

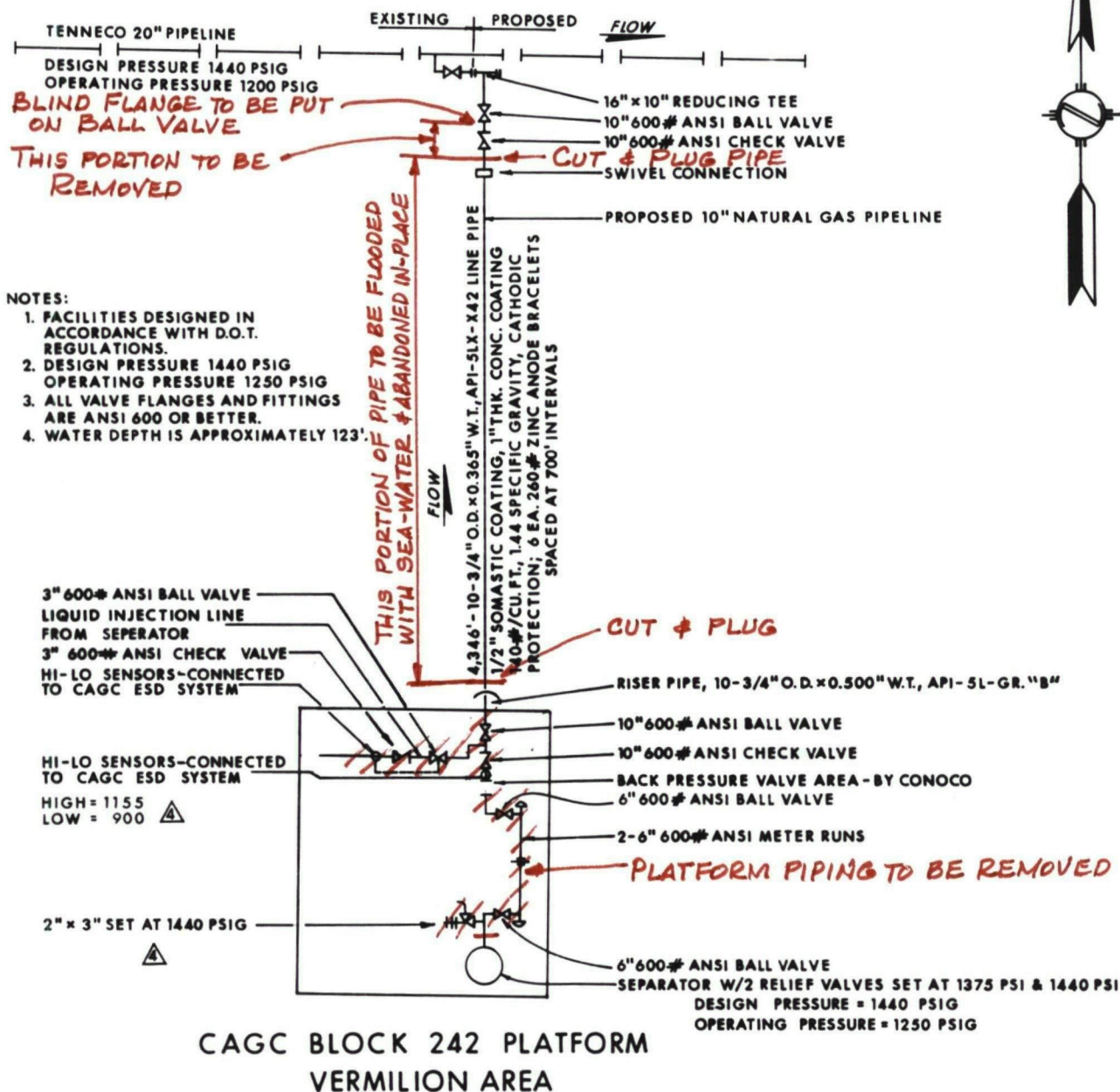
SCHEMATIC
SAFETY SHUT DOWN
SYSTEM

**ANR Pipeline Company**
Detroit, Michigan

DWG. NO. PL-622-32-1

A





△ SHOWED RELIEF & SET POINTS 8-11-86 APP'D EH
 △ GENERAL REVISION EDW 7-21-79 APP'D
 △ REVISED PIPE DATA EDW 6-28-79 APP'D
 △ GENERAL REVISION EDW 4-24-79 APP'D

SCALE NONE	
DRAWN E.W.	DATE 2-22-79
CHECKED W.A.	DATE 3-26-79
APPROV. [Signature]	DATE 3-29-79

SCHEMATIC
SAFETY SHUT DOWN
SYSTEM

ANR **ANR Pipeline Company**
 Detroit, Michigan
 DWG. NO. PL-622-32-1

A

BEST AVAILABLE COPY

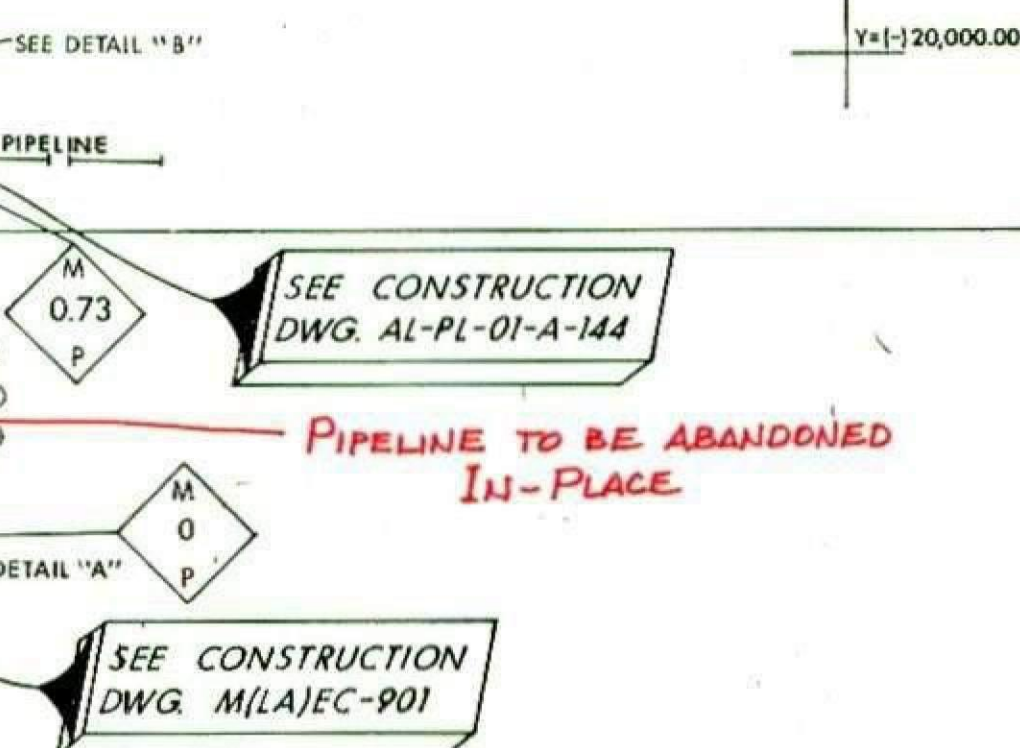
TRAVERSE DATA

MATERIAL SUMMARY

POINT	STATION	BEARING	X	Y	REMARKS	WD/COVER	DESCRIPTION	QUANTITY
622-32	10" MICH. WISC. BLK. 241 TO BLK. 242		1,589,446.33	-24,676.73	SEE AT BOTTOM OF RISER	119' / 9"	See Const. Dwg. M(LA)EC-901	
1	0+00.0	N43°22'24"E	1,589,446.33	-24,676.73	Transition	119' / 9"	Pipe, Line 10 3/4" O.D. x 0.365" W.T. API-5LX-K42	
2	0+13.8	N43°22'24"E	1,589,455.77	-24,666.73	Transition	119' / 9"	STUFF, 1/2" Somatic, 1" Thk. Continuous	
3	5+23	N 28° 24' 23" E	1,589,594.00	-24,307.62	10" MICH. WISC. BLK. 241 TO BLK. 242	119' / 9"	Concrete Coating (140#/Cu.Ft.), 140 Specific	3,812.8 L.F.
4	9+87	N 10° 36' 40" E	1,589,994.75	-23,905.45		120' / 3'	Gravity	6 Ea.
5	14+28	N02°57'13"E	1,590,073.28	-23,486.28		120' / 3'	260# Zinc Anode Brackets	
6	18+73	N08°35'11"W	1,590,095.35	-23,058.53		120' / 3'		
7	23+27	N22°54'27"W	1,590,029.95	-22,625.39		120' / 3'		
8	28+08	N21°13'55"W	1,589,848.81	-22,196.73		120' / 3'		
9	31+88	N 16° 33' 07" W	1,589,717.01	-21,857.49		121' / 3'		
10	35+80	N04°15'30"E	1,589,610.00	-21,497.43		121' / 3'		
11	38+26.6	N04°15'30"E	1,589,627.15	-21,267.07	Transition	121' / 4'		
12	38+56.6		1,589,629.38	-21,237.15	Single 10" Side Tap	121' / 1'	See Const. Dwg. AL-PL-01-A-144	

LINE NO.	TEST PRESSURE			DESIGN/MAOP
	MAX.	MIN.	DATE	
622-32	2709	2704	2-6-80	1440 P.S.I.G.

TENNECO OIL COMPANY, ET AL
OCS-G-3132



GETTY OIL COMPANY, ET AL
OCS-G-3133

VERMILION AREA
VERMILION AREA, SOUTH ADDITION

NOTES

- Stationing indicates Pipe Footage.
- Grid Based on Louisiana (Lambert) Plane Coordinate System - South Zone.
- Locations of Platforms and Pipelines owned by others, based on owner's data.
- Facilities installed in accordance with DOT Regulations.

LEGEND

- Main Line Valve
- V— Check Valve
- S— Side Valve (Single)
- DS— Side Valve (Dual)
- R— Rectifier
- P— Platform
- HP— Platform w/Heliport
- SP— Survey Point
- M— Mile Post

K-98	K-108	K-118
L-98	L-108	L-118
M-98	M-108	M-118

KEY

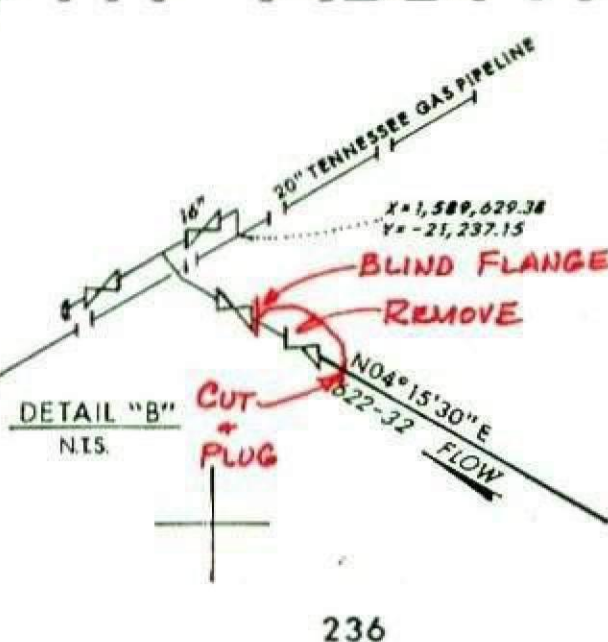
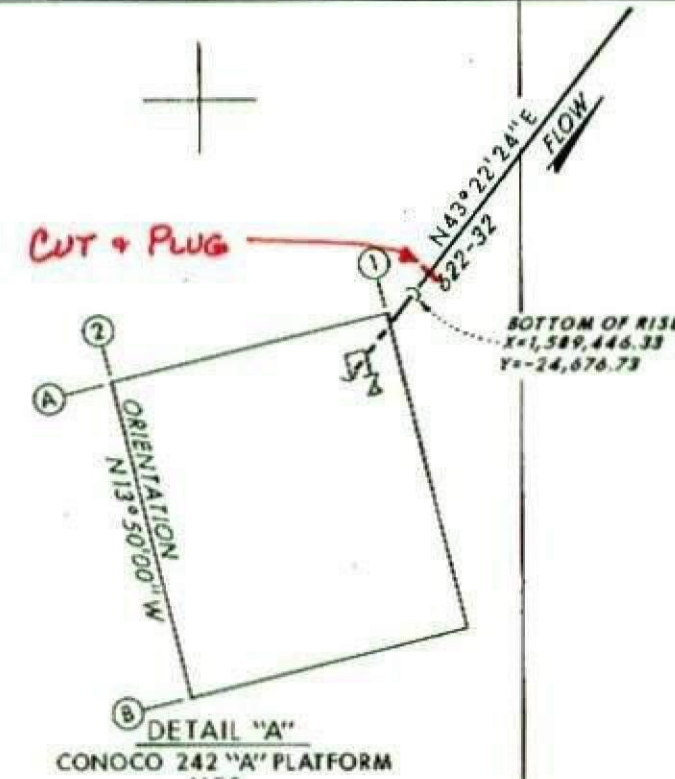
10" Lateral Subsea Tie-In	AL-PL-01-A-144
10" Riser Assembly Plan & Details	M(LA)EC-901
REFERENCE	NUMBER

PREPARED BY
Ford, Bacon & Davis Construction Corporation
MONROE, LOUISIANA
ANR ANR Pipeline Company
Detroit, Michigan

DRAWN BY EDW	DATE 2-27-80	APPROVED BY [Signature]	DATE 2-27-80
DRAFTING CHK. [Signature]	DATE 6-6-80	APPROVED BY [Signature]	DATE 6-6-80
DESIGN CHK. [Signature]	DATE 7-19-80	APPROVED BY [Signature]	DATE 7-19-80
SCALE 1" = 2000'			

OFFSHORE GATHERING SYSTEM
VERMILION AREA
OFFSHORE, LOUISIANA

DRAWING NUMBER	L-10E	SHEET	1 OF 1
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STATUTE MILES

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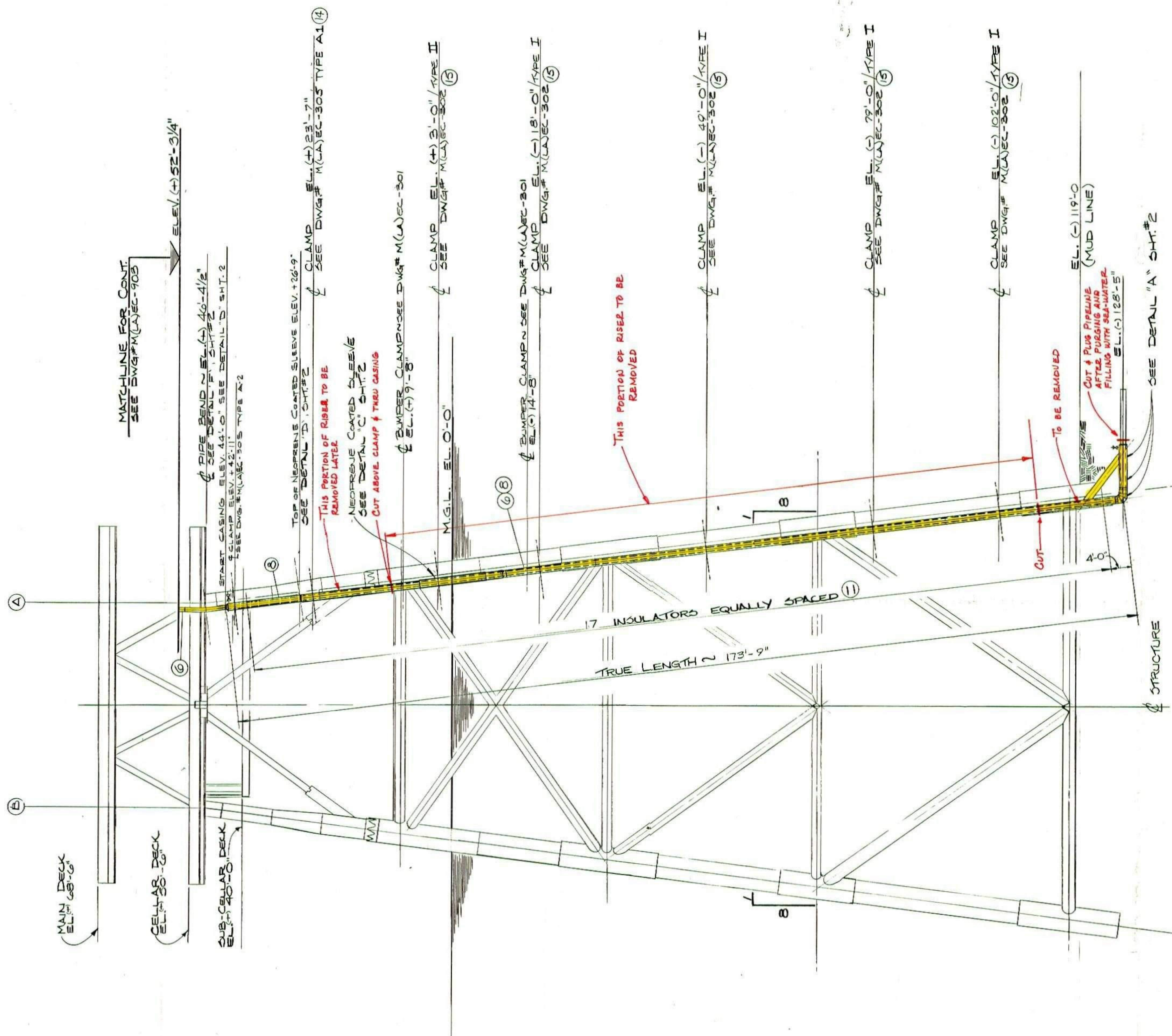
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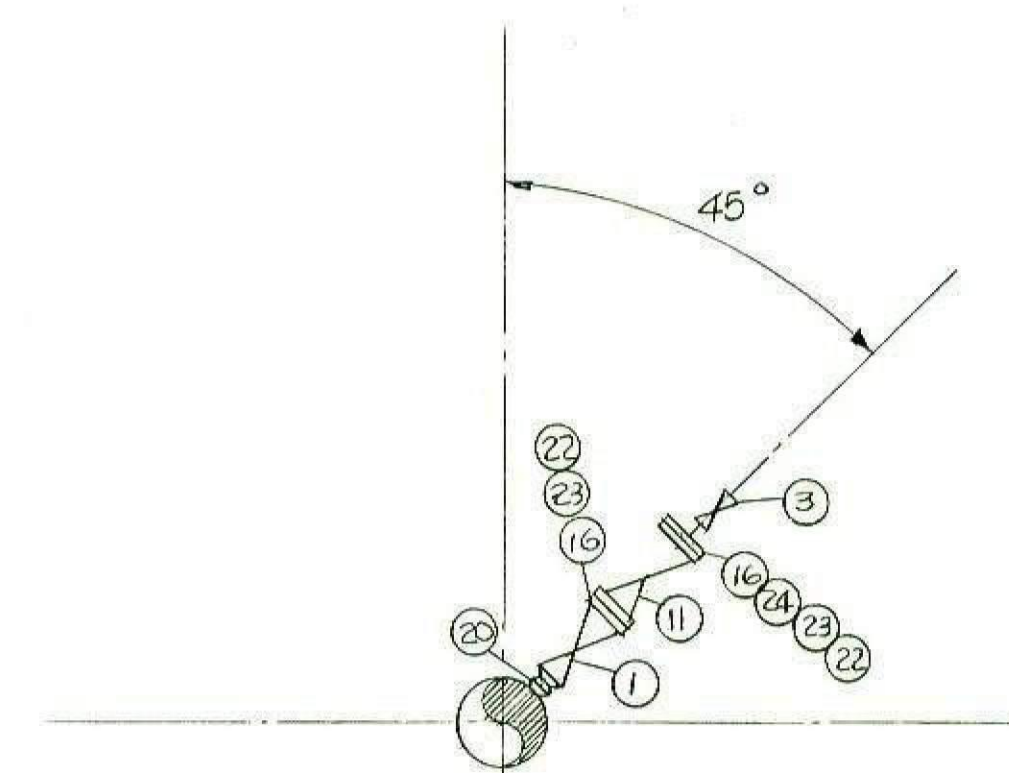
KEY PLAN
SCALESECTION "A-A"
SCALE NONE

ENGINEER'S SEAL

APPROVED

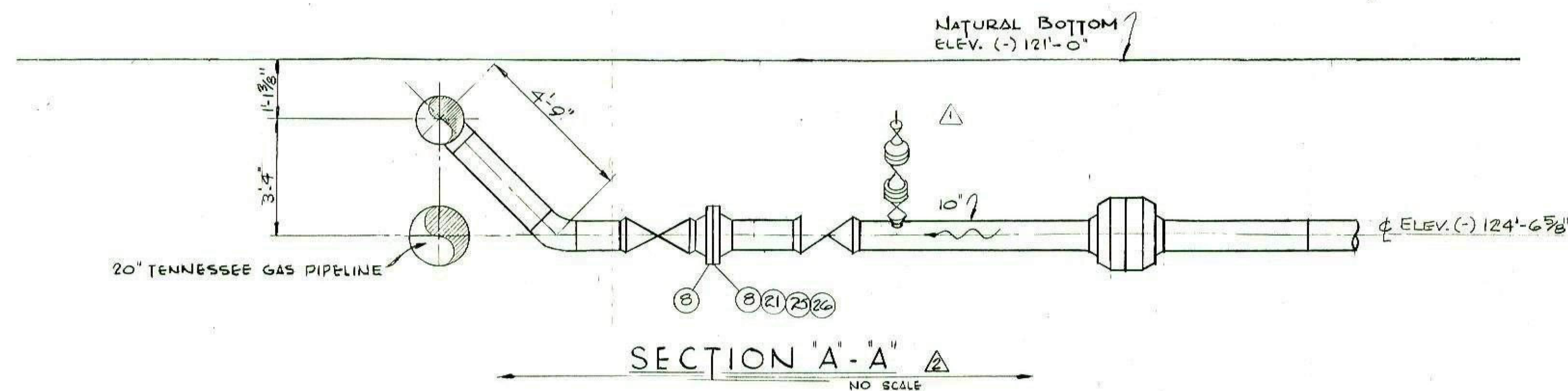
REFERENCE	NUMBER	REFERENCE	NUMBER	NO.	DATE	REVISION	BY	CHK	APPD	NO.	DATE	REVISION	BY	CHK	APPD	APPD FOR CONSTRUCTION	APPD FOR BIDDING	ENGINEERING APPROVAL	DATE
ADJUSTABLE CLAMP	M(LA)EC-302			1	7-24-79	RELOCATED RISER FROM LEG B2 TO A1	JM									REV	BY	DATE	DATE
BUMPER ASSEMBLY	M(LA)EC-301			2	3-3-80	REVISED TO AS BUILT	WL									1	7/2	6-14-79	6-14-79
PIPE CLAMP	M(LA)EC-305																	APPROVED BY	6-15-79
CELLAR DECK PIPING	M(LA)EC-903																		

DO NOT SCALE THIS DRAWING
USE DIMENSIONS ONLYMICHIGAN WISCONSIN PIPE LINE CO.
ENGINEERING DEPARTMENT
DETROIT, MICHIGANDRAWING TITLE
10" RISER ASSEMBLY PLAN & DETAILS
CONOCO PLATFORM 242 A
VERMILION BLOCK 242-CAL. A-1
OFFSHORE GATHERING FACILITIESDRAWN BY
DRD. A/29/79
SCALE
AS SHOWN
DRAWING NUMBER
M(LA)EC-901
REV
2
SHEET
1 OF 2
JOB NO.



SCALE: $\frac{1}{2}'' = 1'-0''$



PLAN
NO SCALE



* VALVE TO BE USED FOR UNDERWATER SERVICE AND EQUIPPED WITH SUB-SEA HAND WHEEL

△ * * OVERALL LENGTH OF VALVE FABRICATED 3/4" SHORT.

1. DESIGN PRESSURE 1440 PSIG @ 100°F, DESIGN FACTOR .5
2. 100% X-RAY FABRICATION (BY OTHERS) IN ACCORDANCE WITH API-1104.
3. HYDROSTATICALLY TEST ENTIRE TIE-IN ASSEMBLY AT 2880 PSI MAX., 2736 PSI MIN FOR 24 HOURS PRIOR TO INSTALLATION. VALVES TO BE IN HALF OPEN POSITION THROUGHOUT TEST.
4. FOR TORQUE AND BOLTING SEQUENCES SEE DWG. # P-B-438
5. ALL PIPE POSSESSING A 0.625" WT OR GREATER OR WHICH WILL BE WELDED WHEN THE AMBIENT TEMP. IS 40°F OR LESS SHALL BE PREHEATED TO A MIN. OF 250°F. THE PREHEAT AREA SHALL ENCOMPASS THE ENTIRE CIRCUMFERENCE OF THE PIECES BEING WELDED, AND SHALL EXTEND AT LEAST 4" BACK FROM THE BEVEL FACE. THE PREHEAT TEMP. SHALL BE MAINTAINED UNTIL THE WELD HAS BEEN COMPLETED. TEST THE PREHEATED AREA WITH A 250°F INDICATING PENCIL (TEMPILSTICK) FOR PROPER TEMP.
6. PRIOR TO INSTALLING WELDOLETS 2" AND SMALLER, PREHEAT AN AREA APPROXIMATELY ONE SQUARE FOOT AROUND THE OPENING TO A MINIMUM OF 250°F. TEST THE HEATED AREA WITH A 250°F INDICATING PENCIL (TEMPILSTICK) FOR PROPER TEMP.
7. PACK ENTIRE EXPOSED AREA AROUND NICKEL-COATED SWIVEL CUP WITH ASBESTOS OR OTHER PROTECTIVE MATERIAL TO AVOID WELD SPLATTER DAMAGE TO SEALING SURFACE.
8. ANNULUS OF SWIVELS TO BE FILLED WITH MICHIGAN WISCONSIN APPROVED SEALANT AFTER TESTING.
9. SWIVEL WILL BE PRE-CONTRACTED (BY CAMERON) FOR PROPER FUNCTION. CONTRACTOR SHALL NOT REMOVE OR ADD COATING MATERIAL FROM OR TO THE SWIVEL.
10. CONTRACTOR SHALL SANDBLAST TO WHITE METAL AND APPLY CORROSION PROTECTION MATERIAL TO ALL TIE-IN ASSEMBLY SURFACES (EXCEPT AS RESTRICTED BY NOTE # 9). PROTECTION SHALL BE ENCO 750 PRIMER AND 722 TOP COAT COAL TAR EPOXY.
11. ITEM # 11 TO BE REMOVED AFTER LINE HAS BEEN DEWATERED AND PURGED
12. ATTACH WELDING GROUND TO PIPE BEING WELDED TO SWIVEL. DO NOT ATTACH TO OPPOSITE SIDE OF SWIVEL AS ARCHING MAY RESULT BETWEEN SWIVEL SEALING COMPONENTS
13. CLAPPER ON ITEM #4 TO BE LOCKED OPEN DURING PURGING.

MICHIGAN WISCONSIN PIPE LINE CO. ENGINEERING DEPARTMENT DETROIT, MICHIGAN		DRAWING TITLE 10" LATERAL SUBSEA TIE-IN @ 20" TENNESSEE GAS MAIN LINE VERMILION BLOCK 241 OFFSHORE GATHERING FACILITIES	
DRAWN BY 		DATE 5-17-79	
SCALE AS NOTED		DRAWING NUMBER AL - PL - 01 - A - 144	
		REV 	
		SHEET 1 OF 1 JOB NO.	

RECEIVED

UNITED STATES GOVERNMENT
MEMORANDUM

APR 13 1989

Minerals Management Service
Leasing & Environment

April 11, 1989

To: Adjudication Unit, Leasing Activities Section, Leasing and Environment,
GOM OCS Region (LE-3-1)

From: Chief, Environmental Operations Section, Leasing and Environment,
GOM OCS Region (LE-5)

Subject: Waiver of Removal Requirements for Pipeline OCS-G 4033 Abandoned
in Place

Our review of the subject action is complete. No environmental protective measures were identified.



Jerry Brashier

Attachment

cc: SEQ (256.83) (LE-5)

ELandry:m1:ELWPLR.MEM

United States Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region

Generic NEPA Categorical Exclusion Review
for
Abandonment of Pipelines

ACTION IDENTIFICATION

Action Location: Gulf of Mexico Outer Continental Shelf (OCS) Offshore
Texas, Louisiana, Mississippi, and Alabama

Action Description: The abandonment of lease term (permitted)/rights-of-way pipelines in situ through a waiver of removal requirements for these pipelines. The applicant proposes to abandon the pipeline in situ in accordance with Title 30 CFR, Part 250, Subpart J, Sections 250.156, 250.157(c) and/or 250.159(c)(9).

The Categorical Exclusion Review (CER) evaluated the proposed action and determined that it meets the categorical exclusion criteria as defined by 516 DM 2.3A(1) which states "(a) the action or group of actions would have no significant effect on the quality of the human environment, and (b) the action or group of actions would not involve unresolved conflicts concerning alternative uses of available resources." The potential impacts from this action have been determined by environmental and resource specialists to have an environmental effect less significant than that when the pipeline was installed.

This Generic CER document covers the activity described above and is sustained in Title 40 CFR, Part 1508, Section 1508.4. It does not include activities proposed within the following areas of special concern: when work vessels will operate through Aransas and Cavallo Passes, between Port Aransas and Port O'Connor, Texas, which is adjacent to critical habitat for endangered and threatened species; when the proposal involves activities in blocks near biologically sensitive features, and when the proposal involves activities within the established limit of designated military warning areas.

Mitigation measures, if any, concerning endangered/threatened species, biologically sensitive features, and military warning areas that were a part of the letter of approval for the subject pipeline right-of-way permit shall be effective for abandonment of the pipeline in situ.

Review of the proposal, according to the above references, indicates the proposed action does not represent an exception to the categorical exclusions. Therefore, the preparation of an Environmental Assessment is not required.

Environmental protective measures ~~were~~/were not identified.

11 April 89
Date

J. E. Richardson
Preparer Date

John Bush
Chief, Environmental
Operations Section

I concur.

4-11-89
Date

J. F. Allen
Regional Supervisor
Leasing and Environment

BILLING INDEX

BILLING
DATE

Bond Fund symbol (Acq. lands only) Serial No. OCS-G 4033

No bond Expiration date Type P/L R/W

Effective date lease assignment, or on structure	Units (Acres, miles, etc.)	Total rental rate	County distribution of total rental rate	County distribution (County name)
5/18/79	0.73 Mi.	\$5.00	\$5.00	Blocks 242, and 241, Vermilion Area
7/30/79		\$15.00	\$15.00	

Relinquished MAR 24 1989

BILLS ISSUED			
Year of lease	Date issued	Year of lease	Date issued
1979	9/18/79 pd.	6th	12/1/83 pd.
2d	12/1/79 pd.	7th	12/1/84 pd.
3d	12/1/80 pd.	8th	12/1/85 pd.
4th	12/1/81 pd.	9th	12/1/86 pd.
5th	12/1/82 pd.	10th	12/1/87 pd.

Name

Address

Principal

Michigan Wisconsin Pipe Line
Company ANR PIPELINE COMPANY

One Woodward Avenue
Detroit, Michigan 48226

Assignee of undivided interest

500 Renaissance Center
Detroit, Michigan 48243

Operator

4033 P/L Michigan Wisconsin Pipe Line Company ANR PIPELINE COMPANY

~~~~~  
12/1/88 pd.

12/1/88



BEST AVAILABLE COPY

SN 5501

William  
2-2-87  
Kelly 2/2/87  
Stauffer 2/2/87

In Reply Refer To: FO-2-2

FEB 0 3 1987

ANR Pipeline Company  
Attention: Mr. Roland M. Lindemann  
500 Renaissance Center  
Detroit, Michigan 48243

Gentlemen:

Your letter dated April 8, 1986, supplemented October 17, 1986, requested approval to remove the pressure safety valve (PSV) on the facilities upstream of the following pipelines:

| Pipeline Segment No.      | Size (inches) | Length (feet) | Service | From                                                         | To                                                                               |
|---------------------------|---------------|---------------|---------|--------------------------------------------------------------|----------------------------------------------------------------------------------|
| 1. 2294<br>(OCS-G 1505)   | 8 5/8         | 663           | Gas/Oil | Platform A<br>Eugene Island<br>Block 63<br>Lease OCS 0425    | A 20-inch<br>subsea tie-in<br>Eugene Island<br>Block 63<br>Lease OCS 0425        |
| 2. 2295<br>(OCS-G 1503-A) | 10 3/4        | 21,499        | Gas     | Platform B<br>Eugene Island<br>Block 158<br>Lease OCS-G 1220 | A 20-inch<br>subsea tie-in<br>Eugene Island<br>Block 175<br>Lease OCS 0438       |
| 3. 3651<br>(OCS-G 1503-A) | 8 5/8         | 1,155         | Gas     | Platform B<br>Eugene Island<br>Block 175<br>Lease OCS 0438   | A 10 3/4-inch<br>subsea tie-in<br>Eugene Island<br>Block 175<br>Lease OCS 0438   |
| 4. 7984<br>(OCS-G 1687-B) | 12 3/4        | 1,155         | Gas     | Platform A<br>Eugene Island<br>Block 231<br>Lease OCS-G 0980 | A 12 3/4-inch<br>subsea tie-in<br>Eugene Island<br>Block 231<br>Lease OCS-G 0980 |
| 5. 7278                   | 8 5/8         | 12,656        | Gas     | Platform A<br>Eugene Island<br>Block 247<br>Lease OCS-G 1888 | A 12 3/4-inch<br>subsea tie-in<br>Eugene Island<br>Block 266<br>Lease OCS 0811   |

ANR General  
Site

G4033

BEST AVAILABLE COPY

2

|     | <u>Pipeline<br/>Segment No.</u> | <u>Size<br/>(inches)</u> | <u>Length<br/>(feet)</u> | <u>Service</u> | <u>From</u>                                                      | <u>To</u>                                                                       |
|-----|---------------------------------|--------------------------|--------------------------|----------------|------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 6.  | 7291<br>(OCS-G 7538)            | 6 5/8                    | 7,469                    | Gas            | Platform A<br>Eugene Island<br>Block 248<br>Lease OCS-G 5506     | A 8 5/8-inch<br>subsea tie-in<br>Eugene Island<br>Block 247<br>Lease OCS-G 1888 |
| 7.  | 2303<br>(OCS-G 1687-O)          | 12 3/4                   | 1,771                    | Gas            | Platform C<br>Eugene Island<br>Block 266<br>Lease OCS 0811       | A 24-inch<br>subsea tie-in<br>Eugene Island<br>Block 266<br>Lease OCS 0811      |
| 8.  | 2304<br>(OCS-G 1687-A)          | 12 3/4                   | 3,186                    | Gas            | Platform E<br>Eugene Island<br>Block 266<br>Lease OCS 0811       | A 24-inch<br>subsea tie-in<br>Eugene Island<br>Block 266<br>Lease OCS 0811      |
| 9.  | 2302<br>(OCS-G 1687-K)          | 12 3/4                   | 6,062                    | Gas            | Platform F<br>Eugene Island<br>Block 266<br>Lease OCS 0811       | A 24-inch<br>subsea tie-in<br>Eugene Island<br>Block 266<br>Lease OCS 0811      |
| 10. | 4253<br>(OCS-G 1687-M)          | 30                       | 147,809                  | Gas            | Platform B<br>Eugene Island<br>Block 296<br>Lease OCS-G 2105     | Platform A<br>Eugene Island<br>Block 188<br>Lease OCS 0443                      |
| 11. | 4792<br>(OCS-G 3453)            | 16                       | 23,199                   | Gas            | Platform A<br>Eugene Island<br>Block 307<br>Lease OCS-G 2110     | A 16-inch<br>subsea tie-in<br>Eugene Island<br>Block 305<br>Lease OCS-G 2108    |
| 12. | 4793<br>(OCS-G 3453)            | 16                       | 44,034                   | Gas            | Platform A<br>Eugene Island<br>Block 327<br>Lease OCS-G 2910     | Platform B<br>Eugene Island<br>Block 296<br>Lease OCS-G 2105                    |
| 13. | 2308<br>(OCS-G 1503-A)          | 12 3/4                   | 93,849                   | Gas            | Platform A<br>South Marsh Island<br>Block 10<br>Lease OCS-G 1181 | A 20-inch<br>subsea tie-in<br>Eugene Island<br>Block 115<br>(Unleased)          |
| 14. | 2310<br>(OCS-G 1687)            | 20                       | 106,847                  | Gas            | Platform A<br>South Marsh Island<br>Block 58<br>Lease OCS-G 1194 | Platform A<br>Eugene Island<br>Block 199<br>Lease OCS 0437                      |

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3

|    | <u>Pipeline<br/>Segment No.</u> | <u>Size<br/>(inches)</u> | <u>Length<br/>(feet)</u> | <u>Service</u> | <u>From</u>                                                       | <u>To</u>                                                                             |
|----|---------------------------------|--------------------------|--------------------------|----------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 5. | 2311<br>(OCS-G 1687-A)          | 24                       | 215,468                  | Gas            | Platform D<br>South Marsh Island<br>Block 108<br>Lease OCS 0792   | Platform A<br>Eugene Island<br>Block 188<br>Lease OCS 0443                            |
| 6. | 4617<br>(OCS-G 3371)            | 8 5/8                    | 5,799                    | Gas            | Platform G<br>South Marsh Island<br>Block 108<br>Lease OCS 0792   | Platform D<br>South Marsh Island<br>Block 108<br>Lease OCS 0792                       |
| 7. | 6661                            | 6 5/8                    | 2,536                    | Gas            | Platform J<br>South Marsh Island<br>Block 108<br>Lease OCS 0792   | A 24-inch<br>subsea tie-in<br>South Marsh Island<br>Block 108<br>Lease OCS 0792       |
| 8. | 6390                            | 12 3/4                   | 5,986                    | Gas            | Platform B<br>South Marsh Island<br>Block 136<br>Lease OCS-G 2588 | A 24-inch<br>subsea tie-in<br>South Marsh Island<br>Block 137<br>Lease OCS-G 2589     |
| 9. | 5311<br>(OCS-G 4014)            | 12 3/4                   | 1,017                    | Gas            | Platform A<br>South Marsh Island<br>Block 137<br>Lease OCS-G 2589 | A 24-inch<br>subsea tie-in<br>South Marsh Island<br>Block 137<br>Lease OCS-G 2589     |
| 0. | 5488<br>(OCS-G 4157)            | 12 3/4                   | 37,739                   | Gas            | Platform A<br>South Marsh Island<br>Block 260<br>Lease OCS-G 2305 | A 12 3/4-inch<br>subsea tie-in<br>South Marsh Island<br>Block 249<br>Lease OCS-G 2301 |
| 1. | 3988<br>(OCS-G 1693-J)          | 6 5/8                    | 21,820                   | Gas            | Platform 1<br>Ship Shoal<br>Block 115<br>Lease OCS-G 2619         | Platform 1<br>Ship Shoal<br>Block 139<br>(Unleased)                                   |
| 2. | 2313<br>(OCS-G 1687-B)          | 12 3/4                   | 3,324                    | Gas/Oil        | Platform A<br>Ship Shoal<br>Block 204<br>Lease OCS-G 1520         | A 24-inch<br>subsea tie-in<br>Ship Shoal<br>Block 204<br>Lease OCS-G 1520             |
| 3. | 2314<br>(OCS-G 1687-E)          | 6 5/8                    | 5,578                    | Gas            | Platform A<br>Ship Shoal<br>Block 206<br>Lease OCS-G 1522         | Platform A<br>Ship Shoal<br>Block 207<br>Lease OCS-G 1523                             |



| <u>Pipeline Segment No.</u> | <u>Size (inches)</u> | <u>Length (feet)</u> | <u>Service</u> | <u>From</u>                                               | <u>To</u>                                                                 |
|-----------------------------|----------------------|----------------------|----------------|-----------------------------------------------------------|---------------------------------------------------------------------------|
| 2315<br>(OCS-G 1687)        | 24                   | 167,694              | Gas            | Platform A<br>Ship Shoal<br>Block 207<br>Lease OCS-G 1523 | Platform A<br>Eugene Island<br>Block 188<br>Lease OCS 0443                |
| 2316<br>(OCS-G 1687-I)      | 12 3/4               | 8,666                | Gas            | Platform A<br>Ship Shoal<br>Block 219<br>Lease OCS 0829   | Platform A<br>Ship Shoal<br>Block 204<br>Lease OCS-G 1520                 |
| 5100<br>(OCS-G 3654)        | 10 3/4               | 86,501               | Gas            | Platform A<br>Ship Shoal<br>Block 291<br>Lease OCS-G 2923 | A 12-inch<br>subsea tie-in<br>Ship Shoal<br>Block 219<br>Lease OCS 0829   |
| 4873<br>(OCS-G 3641)        | 6 5/8                | 17,612               | Gas            | Platform A<br>Ship Shoal<br>Block 292<br>Lease OCS-G 1042 | Platform A<br>Ship Shoal<br>Block 291<br>Lease OCS-G 2923                 |
| 6288                        | 8 5/8                | 565                  | Gas            | Platform A<br>South Pelto<br>Block 12<br>Lease OCS 072    | An 8-inch<br>subsea tie-in<br>South Pelto<br>Block 12<br>Lease OCS 072    |
| 6286                        | 8 5/8                | 22,613               | Gas            | Platform A<br>South Pelto<br>Block 18<br>Lease OCS-G 3589 | A 20-inch<br>subsea tie-in<br>South Pelto<br>Block 13<br>Lease OCS-G 3171 |
| 5325<br>(OCS-G 3922)        | 6 5/8                | 4,597                | Gas            | Platform B<br>Ship Shoal<br>Block 115<br>Lease OCS-G 2619 | Platform A<br>Ship Shoal<br>Block 115<br>Lease OCS-G 2619                 |
| 3762<br>(OCS-G 1907-AA)     | 6 5/8                | 13,403               | Gas            | Platform A<br>Vermilion<br>Block 182<br>Lease OCS-G 2074  | A 30-inch<br>subsea tie-in<br>East Cameron<br>Block 181<br>(Unleased)     |
| 5501<br>(OCS-G 4033)        | 10 3/4               | 4,346                | Gas            | Platform A<br>Vermilion<br>Block 242<br>Lease OCS-G 3133  | A 20-inch<br>subsea tie-in<br>Vermilion<br>Block 241<br>Lease OCS-G 3132  |

|    | <u>Pipeline<br/>Segment No.</u> | <u>Size<br/>(inches)</u> | <u>Length<br/>(feet)</u> | <u>Service</u> | <u>From</u>                                               | <u>To</u>                                                                         |
|----|---------------------------------|--------------------------|--------------------------|----------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------|
| 3. | 5503<br>(OCS-G 4054)            | 24                       | 105,144                  | Gas            | Platform A<br>Vermillion<br>Block 397<br>Lease OCS-G 3141 | A 24-inch<br>subsea tie-in<br>South Marsh Island<br>Block 137<br>Lease OCS-G 2589 |
| 4. | 6026                            | 6 5/8                    | 5,565                    | Gas            | Platform A<br>Ship Shoal<br>Block 135<br>Lease OCS-G 3164 | A 26-inch<br>subsea tie-in<br>Ship Shoal<br>Block 135<br>Lease OCS-G 3164         |
| 5. |                                 | 10 3/4                   | 19,332                   | Gas            | Platform A<br>West Cameron<br>Block 2                     | To Shore                                                                          |
| 6. |                                 | 10 3/4                   | 87,395                   | Gas            | Platform 18<br>West Cameron<br>Block 17                   | To Shore                                                                          |

The safety equipment which you requested approval to eliminate is not necessary for the above pipelines numbered 1 through 33 since overpressure protection for each is provided by high pressure sensors. Therefore, these pressure safety valves (PSV) are not required by the provisions of applicable regulations and standards.

Item number 34 will be addressed under a separate cover by the Minerals Management Service, Houma District.

Item numbers 35 and 36 are not located within the Federal Outer Continental Shelf, and therefore do not come under the jurisdiction of this office.

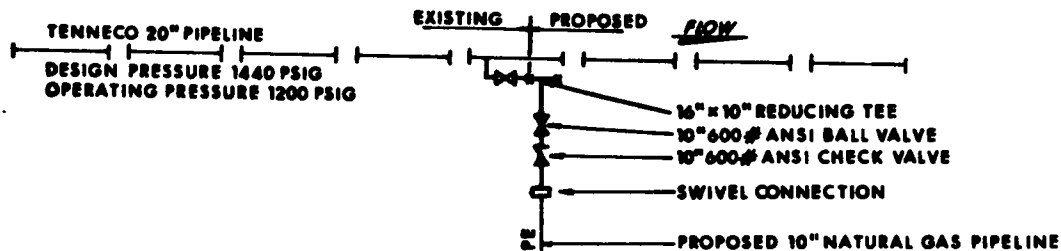
Sincerely yours,

(Orig. Sgd.) William H. Martin

*For* D. J. Bourgeois  
Regional Supervisor  
Field Operations

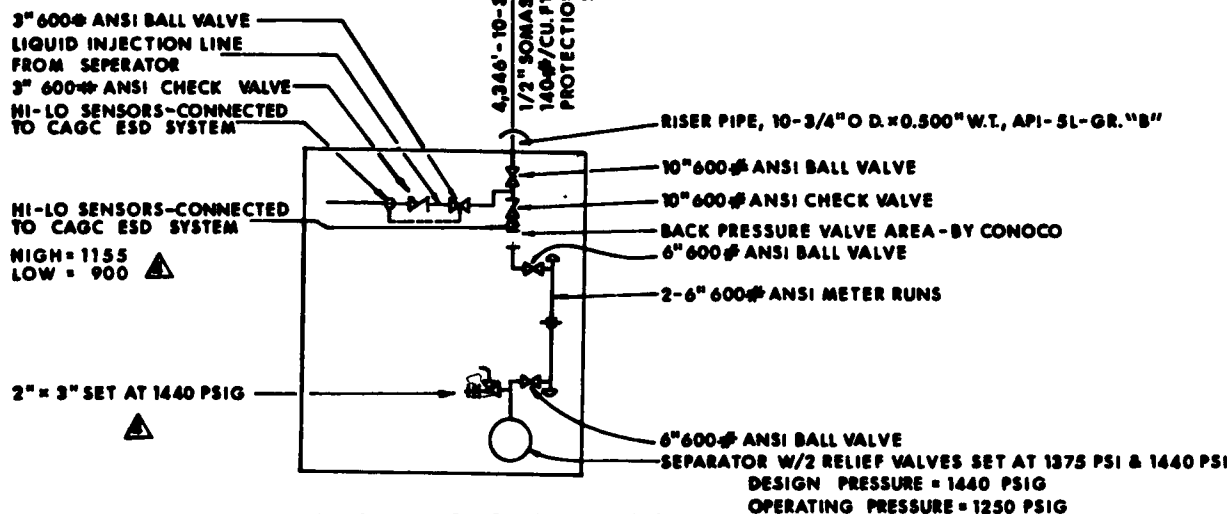
bcc: 1502-01 ANR General File (w/orig appln) (Schematics filed in each segment file)  
(FO-2-2)  
FO-4  
FO-5  
FO-6

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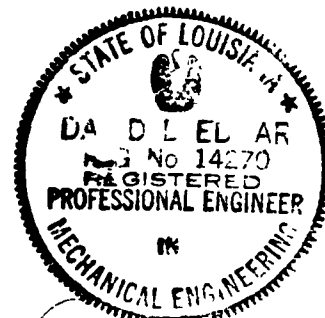
NOTES:

1. FACILITIES DESIGNED IN ACCORDANCE WITH D.O.T REGULATIONS.
2. DESIGN PRESSURE 1440 PSIG  
OPERATING PRESSURE 1250 PSIG
3. ALL VALVE FLANGES AND FITTINGS ARE ANSI 600 OR BETTER.
4. WATER DEPTH IS APPROXIMATELY 123'.



CAGC BLOCK 242 PLATFORM  
VERMILION AREA

- ▲ SHOWED RELIEF & SET POINTS 8-11-86 APP'D *EDW* EH
- ▲ GENERAL REVISION *EDW* 7-21-79 APP'D
- ▲ REVISED PIPE DATA *EDW* 6-28-79 APP'D
- ▲ GENERAL REVISION *EDW* 4-24-79 APP'D



|                    |              |
|--------------------|--------------|
| SCALE NONE         |              |
| DRAWN <i>E.W.</i>  | DATE 2-22-79 |
| CHECKED <i>WAF</i> | DATE 3-26-79 |
| APPROV <i>EDW</i>  | DATE 3-28-79 |

SCHEMATIC  
SAFETY SHUT DOWN  
SYSTEM

|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>ANR</b>           | <b>ANR Pipeline Company</b><br>Detroit, Michigan |
| DWG. NO. PL-622-32-1 |                                                  |

A

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**ANR Pipeline Company**

An American Natural Resources Company

October 17, 1986

Mr. J. Rogers Pearcy  
Regional Director  
U.S. Department of the Interior  
Minerals Management Service  
Gulf of Mexico, OCS Region  
1420 South Clearview Parkway  
New Orleans, LA 70123-2394



Dear Mr. Pearcy:

Attention: FO-2-2

RE: Removal of Relief Valves from  
ANR Facilities on Producers  
Offshore Platforms

ANR Pipeline Company (formerly Michigan Wisconsin Pipe Line Company) is requesting MMS approval to modify its facilities on Offshore Producer Platforms. ANR Pipeline Company included relief valves on their Safety Shut-Down Systems on producer platforms to protect their pipelines from a sudden surge or reduction in pressure.

Offshore producers must comply with Department of Interior (DOI) regulations OCS Order 9, requiring the producers to protect all gas pipelines leaving their platforms from overpressure. The DOI requirements for set points and inspections of overpressure protection are more stringent than those of the Department of Transportation (DOT).

A regulatory review conducted by ANR Pipeline Company's Codes and Standards Department has led us to conclude that the overpressure protection requirements of DOT for our facilities on these platforms are met through producer compliance to OCS Order 9. Since none of our offshore permits are conditioned on having relieving devices on our facilities, we further conclude that the relief valves that we have on producer platforms are not needed. The producers we have contacted concur. The removal of these devices would have no consequence on system safety.

Since MMS approval is required for all offshore facility modifications, ANR Pipeline Company hereby asks permission to remove the above-mentioned relief devices from their facilities on the producers' platforms located in the blocks and areas listed below:

**Eugene Island Area**

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>                    |
|--------------|-----------------|------------------------------------|
| *42          | A               | Chevron, U.S.A., Inc. - OCS-G-7585 |
| 63           | A               | Hunt Oil Company                   |
| 158          | B               | Shell Offshore (W)                 |



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**Eugene Island Area  
(Cont'd)**

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>                    |
|--------------|-----------------|------------------------------------|
| 175          | B               | Arco Oil & Gas Company             |
| *208         | E               | Conoco OCS-G 7584                  |
| 231          | A               | Chevron, U.S.A., Inc.              |
| 247          | A               | Samedan Oil Corporation            |
| *247         | H               | Samedan Oil Corporation OCS-G 3367 |
| 248          | A               | Samedan Oil Corporation            |
| 266          | C               | Conoco                             |
| 266          | E               | Conoco                             |
| 266          | F               | Conoco                             |
| *267         | I               | Conoco seg # 6063                  |
| 296          | B               | Placid                             |
| 307          | A               | Cities Service                     |
| *307         | B               | Cities Service seg # 6635          |
| 327          | A               | Cities Service                     |

**South Marsh Island Area**

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>             |
|--------------|-----------------|-----------------------------|
| 10           |                 | Shell Offshore (W)          |
| 58           | A               | Shell Offshore (W)          |
| 108          | D               | Conoco                      |
| 108          | G               | Conoco                      |
| 108          | J               | Conoco                      |
| 136          | B               | Conoco                      |
| 137          | A               | Conoco                      |
| 260          |                 | Amoco Production Company    |
| *265         |                 | Ocean Production OCS-G 4167 |

**Ship Shoal Area**

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>          |
|--------------|-----------------|--------------------------|
| 115          | A&B             | Cities Service           |
| 135          | A               | Ocean Production         |
| 204          | A               | Placid                   |
| 206          | A               | Conoco                   |
| 207          | A               | Placid                   |
| 219          | A               | Amoco Production Company |
| 291          | A               | Placid                   |

**South Pelto Area**

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>        |
|--------------|-----------------|------------------------|
| 12           | A               | ANR Production Company |
| 18           | A               | ANR Production Company |

**BEST AVAILABLE COPY**Vermilion Area

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>        |
|--------------|-----------------|------------------------|
| 182          | A               | Mobil                  |
| 242          |                 | Conoco                 |
| 397          | A               | Mesa Petroleum Company |

West Cameron Area

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>         |
|--------------|-----------------|-------------------------|
| 2            | A               | Union Oil of California |
| 17           |                 | Chevron, U.S.A.         |

Enclosed is a copy of a list of platforms for which the MMS requested platform piping drawings, some of which were not provided at the time the original permits were issued. The list shows three platforms from which ANR no longer is receiving gas, namely, S.M.I. Block 6, Platform B; S.M.I. Block 51, Platform A; and S.M.I. Block 146, Platform A.

Please send all correspondence to my attention at ANR Pipeline Company, 500 Renaissance Center, Environmental Engineering Department, 16th Floor, Detroit, Michigan 48243. If additional information is required, please call me at (313) 496-5626.

The ANR Area Office personnel to contact for additional information are:

Mr. Melvin J. Peoples - or -  
P. O. Box 53318  
112 Rue Beauregard  
Lafayette, LA 70505  
(318) 237-0314

Mr. James A. Mears  
P. O. Box 428  
7912 South First Avenue  
Sabine Pass, TX 77655  
(409) 983-2713

Yours truly,

*Roland M. Lindemann*  
Roland M. Lindemann  
Sr. Permitting Specialist

c: Messrs. J. S. Chin  
J. A. Mears  
M. J. Peoples  
T. J. Purcel  
T. M. Steinbauer  
M. J. Williams

\* Per ANR personnel (Mr. Joe Butler) approval was not needed  
for these pipelines - No PSV's. ccw.

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MAY 16 1986

May 14, 1986

TO: Mr. John Dunne  
FROM: M. J. Peoples

Re: Platforms That Carol Williams  
MMS Requested Sketches For

Ms. Carol Williams, MMS, requested we provide sketches of our piping and facilities for the following listed platforms. Sketches were not required to be sent in with the Permit Applications when these were applied for. She said they must have these sketches prior to a decision being made on relief valve removals on the various producer platforms that are listed below:

|                       |                              |       |                        |
|-----------------------|------------------------------|-------|------------------------|
| E.I. Block 63.....    | Platform "A"                 | ..... | OCSG 1503              |
| E.I. Block 158 .....  | Platform "B"                 | ..... | OCSG 1503-A            |
| E.I. Block 175 .....  | Platform "B"                 | ..... | OCSG 1503-A            |
| E.I. Block 208 .....  | Platform "E"                 | ..... | OCSG 7584              |
| E.I. Block 231 .....  | Platform "CA"                | ..... | OCSG 1503-A            |
| E.I. Block 266 .....  | Platform "C"                 | ..... | OCSG 1687-0            |
| E.I. Block 266 .....  | Platform "E"                 | ..... | OCSG 1687-A            |
| E.I. Block 266 .....  | Platform "F"                 | ..... | OCSG 1687-K            |
| E.I. Block 276 .....  | Platform "A"                 | ..... | Segment #4390          |
| E.I. Block 296 .....  | Platform "B"                 | ..... | OCSG 1687-M            |
| S.M.I. Blk. 6 .....   | Platform "B"                 | ..... | OCSG 1503-B            |
| S.M.I. Blk. 10 .....  | Platform "A"                 | ..... | OCSG 1503-A            |
| S.M.I. Blk. 11 .....  | None                         | ..... | OCSG 1503-C            |
| S.M.I. Blk. 51 .....  | Platform "A"                 | ..... | OCSG 1687              |
| S.M.I. Blk. 58 .....  | Platform "A"                 | ..... | OCSG 1687              |
| S.M.I. Blk. 108 ..... | Platform "D"                 | ..... | OCSG 1687-A            |
| S.M.I. Blk. 108 ..... | Platform "J"                 | ..... | Segment #6661          |
| S.M.I. Blk. 136 ..... | Platform "B"                 | ..... | Segment #6390          |
| S.M.I. Blk. 146 ..... | Platform "A"                 | ..... | OCSG 3847              |
| S.S. Block 115 ...    | Well #2 and Platform "PP"... |       | OCSG 3922; OCSG 1693-J |
| S.S. Block 204 ...    | Well # 1.....                |       | OCSG 1687              |
| S.S. Block 204 .....  | Platform "A"                 | ..... | OCSG 1687-B            |
| S.S. Block 206 .....  | Platform "A"                 | ..... | OCSG 1687-E            |
| S.S. Block 207 .....  | Platform "A"                 | ..... | OCSG 1687              |
| S.S. Block 219 .....  | Platform "A"                 | ..... | OCSG 1687-1            |
| Verm. Block 182 ..... | Platform "A"                 | ..... | OCSG 1907-AA           |
| Verm. Block 242 ..... | Platform "A"                 | ..... | OCSG 4033              |

M. J. Peoples

lrg

cc: Mr. M. J. Williams  
Mr. R. M. Lindemann ✓

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**ANR Pipeline Company**

An American Natural Resources Company

April 8, 1986

**RECEIVED**

**APR 10 1986**

**Minerals Management Service  
Rules and Production**

Mr. J. Rogers Pearcy  
Regional Director  
U.S. Department of the Interior  
Minerals Management Service  
Gulf of Mexico OCS Region  
P.O. Box 7944  
Metairie, Louisiana 70010

Dear Mr. Pearcy:

Attention: RP-2-2

RE: Removal of Offshore Relief  
Devices on Producer Platforms

Offshore producers must comply with the DOI (Department of Interior) regulations OCS Order 9 requiring the producers to protect all gas pipelines leaving their platforms from over-pressure. The DOI requirements for set points and inspections of over-pressure protection are more stringent than those of the DOT (Department of Transportation).

A regulatory review conducted by ANR Pipeline Company's Codes and Standards Department has led us to conclude that the over-pressure protection requirements of DOT for our facilities on these platforms are met through producer compliance to OCS Order 9. Since none of our offshore permits are conditioned on having relieving devices on our facilities, we further conclude that the relief valves that we have on producer platforms are not needed. The producers we have contacted concur. The removal of these devices would have no consequence on system safety.

Since MMS approval is required for all offshore facility modifications, ANR Pipeline Company hereby asks permission to remove the above-mentioned relief devices from their facilities on the producers' platforms located in the blocks and areas listed below:

Eugene Island Area

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>       |
|--------------|-----------------|-----------------------|
| 42           | A               | Chevron, U.S.A., Inc. |
| 77           |                 | Hunt Oil Co.          |
| 158          |                 | Shell Offshore (W)    |
| 175          |                 | Arco Oil & Gas Co.    |
| 208          | E               | Conoco                |
| 231          |                 | Chevron, U.S.A., Inc. |
| 247          | A               | Samedan Oil Corp.     |
| 247          | H               | Samedan Oil Corp.     |
| 248          | A               | Samedan Oil Corp.     |
| 266          | C               | Conoco                |
| 266          | E               | Conoco                |
| 266          | F               | Conoco                |

Mr. J. Rogers Percy  
April 8, 1986  
Page Two

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Eugene Island Area (cont'd)

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>         |
|--------------|-----------------|-------------------------|
| 267          | I               | Conoco                  |
| 276          |                 | Union Oil of California |
| 296          |                 | Placid                  |
| 307          |                 | Cities Service          |
| 307          | A               | Cities Service          |
| 307          | B               | Cities Service          |
| 327          |                 | Cities Service          |

South Marsh Island Area

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>      |
|--------------|-----------------|----------------------|
| 6            |                 | Exxon                |
| 10           |                 | Shell Offshore (W)   |
| 11           |                 | Texaco               |
| 51           |                 | Shell Offshore (W)   |
| 58           |                 | Shell Offshore (W)   |
| 108          | D               | Conoco               |
| 108          | G               | Conoco               |
| 108          | J               | Conoco               |
| 136          |                 | Conoco               |
| 137          |                 | Conoco               |
| 146          |                 | Aminoil U.S.A.       |
| 260          |                 | Amoco Production Co. |
| 265          |                 | Ocean Production     |

Ship Shoal Area

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>      |
|--------------|-----------------|----------------------|
| 115          |                 | Cities Service       |
| 135          |                 | Ocean Production     |
| 204          |                 | Placid               |
| 206          |                 | Conoco               |
| 207          |                 | Placid               |
| 219          |                 | Amoco Production Co. |
| 291          |                 | Placid               |
| 292          |                 | Amoco Production Co. |



Mr. J. Rogers Percy  
April 8, 1986  
Page Three

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South Pelto Area

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>    |
|--------------|-----------------|--------------------|
| 12           | A               | ANR Production Co. |
| 18           | A               | ANR Production Co. |

Vermilion Area

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>    |
|--------------|-----------------|--------------------|
| 182          |                 | Mobil              |
| 242          |                 | Conoco             |
| 397          |                 | Mesa Petroleum Co. |

West Cameron Area

| <u>Block</u> | <u>Platform</u> | <u>Producer</u>         |
|--------------|-----------------|-------------------------|
| 2            |                 | Union Oil of California |
| 17           |                 | Chevron, U.S.A.         |
| 71           |                 | Mobil                   |

Please send all correspondence to my attention at ANR Pipeline Company, 500 Renaissance Center, Environmental Engineering Department, 16th floor, Detroit, Michigan 48243. If additional information is required, please call me at (313) 496-5626.

The ANR Area Office personnel to contact for additional information are:

Mr. Melvin J. Peoples  
Area Manager  
P.O. Box 53318  
112 Rue Beauregard  
Lafayette, LA 70505  
(318) 237-0314

-or-

Mr. James A. Mears  
Area Manager  
P.O. Box 428  
7912 South First Ave.  
Sabine Pass, TX 77655  
(409) 983-2713

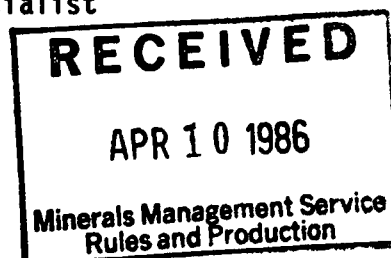
Yours truly,

*Roland M. Lindemann*

Roland M. Lindemann  
Sr. Permitting Specialist

df

c: Messrs. J. S. Chin      T. J. Purcel  
             J. A. Mears      M. J. Williams  
             M. J. Peoples



UNITED STATES GOVERNMENT  
MEMORANDUM

BEST AVAILABLE COPY


December 2, 1986

To: Supervisor, Platform/Pipeline Unit, Plans, Platform, and  
Pipeline Section, Field Operations, GOM OCS Region (FO-2-2)

From: District Supervisor, Lake Charles District,  
GOM OCS Region (FO-6)  
Attention: Mr. Mike Hebert

Subject: Departure Request

In response to your letter dated November 19, 1986, we recommend approval  
of ANR Pipeline Company's request to eliminate the relief devices as  
indicated.

  
R. H. Darrow

cc: OCS-G 2074, OCS-G 3133, OCS-G 3141 (OPS-3-2, File)  
OCS-G 2074, OCS-G 3133, OCS-G 3141 (FO-6)

MJHebert:cck



64033

UNITED STATES GOVERNMENT  
MEMORANDUM

BEST AVAILABLE COPY

November 19, 1986

To: District Supervisor, Lake Charles District, Gulf of Mexico OCS Region  
(FO-6) (Attention: Mr. Mike Hebert)

From: Supervisor, Platform/Pipeline Unit, Plans, Platform, and Pipeline  
Section, Field Operations, Gulf of Mexico OCS Region (FO-2-2)

Subject: Departure Request

Transmitted herewith, for your review is a copy of ANR Pipeline Company's letter of October 17, 1986, requesting departures from the requirements of OCS Order No. 9. Specifically, ANR Pipeline Company requests approval to remove relief devices from their facilities on the following pipelines:

| Pipeline Segment No.    | Size (inches) | Length (feet) | Service | From                                                          | To                                                                                                |
|-------------------------|---------------|---------------|---------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 3762<br>(OCS-G 1907-AA) | 6 5/8         | 13,403        | Gas     | Platform A<br>Vermilion Area<br>Block 182<br>Lease OCS-G 2074 | Subsea tie-in with<br>30" pipeline<br>East Cameron Area<br>Block 181<br>Unleased                  |
| 5501<br>(OCS-G 4033)    | 10 3/4        | 4,346         | Gas     | Platform A<br>Vermilion Area<br>Block 242<br>Lease OCS-G 3133 | Subsea tie-in with<br>20" pipeline<br>Vermilion Area<br>Block 241<br>Lease OCS-G 3132             |
| 5503<br>(OCS-G 4054)    | 24            | 105,144       | Gas     | Platform A<br>Vermilion Area<br>Block 397<br>Lease OCS-G 3141 | Subsea tie-in with<br>24" pipeline<br>South Marsh Island<br>Area<br>Block 137<br>Lease OCS-G 2589 |

*RFK*  
Robert F. Kelly

cc: 1502-01 ANR Pipeline Company (FO-2-2)

Williams:mcs:LEXITYPE Disk 1

OCS-G-4033

SN 5501

**BEST AVAILABLE COPY**

**ANR Pipeline Company**  
An American Natural Resources Company

ROBERT L. JONES  
Group Vice President

July 22, 1986

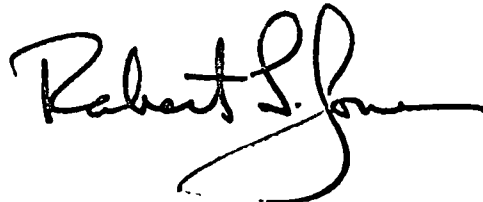
Mineral Management Service  
Gulf of Mexico Region  
P. O. Box 7944  
Metairie, LA 70010

Attn: Mr. D. W. Solanas  
Regional Supervisor  
(R.P. 2-2)

Dear Mr. Solanas:

In accordance with your Outer Continental Shelf Pipeline Guidelines and Procedures - OCS Report MMS 84-0015 (Part I, Section I, Paragraph H13) we submit the attached report regarding the 10" pipeline leak in the Vermilion Area Block 242, Offshore Louisiana detected on June 29, 1986.

Sincerely,



RLJ:smb

cc: R. E. Makowski  
D. F. Noblet  
F. R. Orr  
M. J. Peoples  
M. D. Platzke  
M. J. Williams  
R. V. McCormick  
Central Records  
✓ Dept. File

# BEST AVAILABLE COPY

ANR PIPELINE COMPANY

July 22, 1986

## Report to Minerals Management Service

Regarding leak on 10" Pipeline, Vermilion Area Block 242, Offshore Louisiana.

The following report provides information requested in the Outer Continental Shelf Pipeline Guidelines and Procedures - OCS Report MMS 84-0015 (Part I, Section I, Paragraph H13). If you should have need for more information, please contact Robert J. Lecznar, (313) 496-2456.

- A. Date and Time Incident Occurred: 6/29/86, 1700 hrs.
- B. OCS Permit Number: OCS-G4033
- C. Degree of Pollution: None
- D. Type of Line: Natural Gas
- E. Location of Leak: Vermilion Area Blk 242, 10" pipeline  
X= 1,585,594  
Y= -24,580  
70 miles from shore
- F. Approximate Water depth: 120 Feet
- G. Injuries or Fatalities: None
- H. Description of Cause: Unable to determine. Examination of pipe was not practicable because of deep water and deep mud cover.
- I. Corrective Action: 10" Plidco repair clamp was installed.



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INITIAL ORAL REPORT OF PIPELINE BREAK OR LEAK

REPORT RECEIVED BY

NAME: ROBERT LANZA

DATE: July 1, 1986

REPORT GIVEN BY

NAME: LAY MAKOWSKI

COMPANY: AND PL Co.

PHONE NO.: 313-496-2156

TIME AND DATE OF BREAK OR LEAK DISCOVERY: 6/29/86 - 5:00 P.M.

BREAK OR LEAK LOCATION: UR 242

PIPELINE: SIZE 10 3/4 PRODUCT GAS (~~AND PL~~ - OCS-G 4033)

FROM: UR 242 - PLATFORM A

TO: UR 241 - 20" SST

WIND VELOCITY: 10-20 mph SEA CONDITIONS: 1-3 ft.

HOW FAR FROM SHORE? 70 MILES

EXTENT OF SLICK: None

VOLUME OF SPILL: Approx 200 Gals R 64 bbls

NORMAL DAILY PRODUCTION: BOPD 50 MCFPD

PRODUCTION TO PIPELINE SHUT IN? Yes IF SO HOW? (AUTO/MANUAL)

OPERATING PRESSURE RANGE? 1000 PSI.

LOW PRESSURE SENSOR SETTING?

APPROXIMATE DATE OF CONSTRUCTION: 08/01/80

RECORD OPERATOR OF NTL 80-9 (PIPELINE DAMAGE REPORTING)

CAUSE: UR DETERMINED

REMARKS: WILL INSTALL CLAMP

MANUALLY SHUT-IN.

\*\*\*\*\*

WAS WASHINGTON NOTIFIED BY PHONE? \_\_\_\_\_

WHEN? \_\_\_\_\_ BY WHOM? \_\_\_\_\_

TO WHOM? \_\_\_\_\_

\*\*\*\*\*

NOTIFY DATE OF PIPELINE REPAIR

REPORT RECEIVED BY

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

INSPECTION OF INSTALLATION

DATE: \_\_\_\_\_

NAME OF INSPECTOR: \_\_\_\_\_

REPORT GIVEN BY

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

REMARKS: \_\_\_\_\_

SEGMENT NO. \_\_\_\_\_ DOI OR DOT \_\_\_\_\_



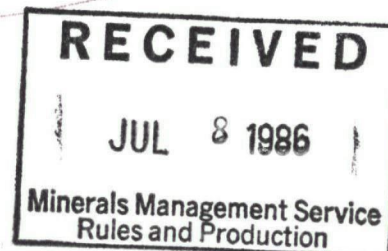
Production Department  
Lafayette Division

Conoco Inc.  
P.O. Box 51266  
Lafayette, LA 70505  
(318) 236-5000

G 4033

July 7, 1986

U. S. Department of the Interior  
Minerals Management Service  
Gulf of Mexico, OCS Regional Office  
Pipeline Section  
1420 South Clearview Parkway  
New Orleans, Louisiana 70123



Attention: Mr. A. Britton

Discharge of Condensate - Departing 10" ANR Pipeline from Vermilion 242A Platform (OCS G-3133) *have NO*

Approximately 200 gallons of condensate was lost from ANR's 10" pipeline departing Conoco Inc.'s Vermilion 242 A platform (OCS G-3133) on June 29, 1986. The discharge was discovered at approximately 5:00 P.M. by a PHI Helicopter pilot who notified Conoco Cameron Shore Base. Field personnel were sent to investigate the sighting. They discovered a three mile long by 200 yard wide slick, dull in color, Southeast of Conoco Inc.'s Vermilion 242 A platform. The slick originated from ANR pipeline's 10" line approximately 250 feet from the platform. Based on the size and color of the slick, an estimated 200 gallons of condensate was lost. Operating personnel closed the departing pipeline valves on the platform and notified ANR pipeline of the leak at approximately 5:30 P.M. June 29, 1986. The platform was not producing at the time of the spill; it had been shut-in on June 25, 1986. Line repairs were conducted according to applicable DOT Regulations by ANR pipeline. Repair operations were completed July 5, 1986. Weather conditions at the time were:

|        |                           |
|--------|---------------------------|
| Skies: | Clear                     |
| Winds: | Southeasterly @ 10-15 MPH |
| Seas:  | Seas 1'-2' moving SSE.    |

Mr. Karl Walker was notified of this incident on June 30, 1986 with a follow-up report on July 3, 1986 by Mr. J. Phelan. The National Response Center and Lake Charles District were also notified.

Yours very truly,

D. L. Byers  
Coordinator  
Environmental Affairs

JMP:mh

JMP2/177





OCS-G-3133

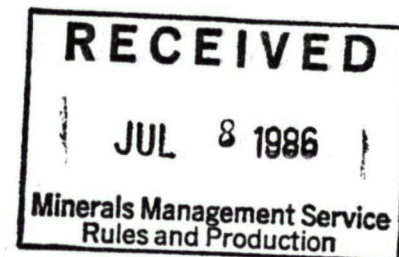
4033

Production Department  
Lafayette Division

Conoco Inc.  
P.O. Box 51266  
Lafayette, LA 70505  
(318) 236-5000

July 7, 1986

U. S. Department of the Interior  
Minerals Management Service  
Gulf of Mexico, OCS Regional Office  
Pipeline Section  
1420 South Clearview Parkway  
New Orleans, Louisiana 70123



Attention: Mr. A. Britton

Discharge of Condensate - Departing 10" ANR Pipeline from Vermilion 242A Platform (OCS G-3133)

Approximately 200 gallons of condensate was lost from ANR's 10" pipeline departing Conoco Inc.'s Vermilion 242 A platform (OCS G-3133) on June 29, 1986. The discharge was discovered at approximately 5:00 P.M. by a PHI Helicopter pilot who notified Conoco Cameron Shore Base. Field personnel were sent to investigate the sighting. They discovered a three mile long by 200 yard wide slick, dull in color, Southeast of Conoco Inc.'s Vermilion 242 A platform. The slick originated from ANR pipeline's 10" line approximately 250 feet from the platform. Based on the size and color of the slick, an estimated 200 gallons of condensate was lost. Operating personnel closed the departing pipeline valves on the platform and notified ANR pipeline of the leak at approximately 5:30 P.M. June 29, 1986. The platform was not producing at the time of the spill; it had been shut-in on June 25, 1986. Line repairs were conducted according to applicable DOT Regulations by ANR pipeline. Repair operations were completed July 5, 1986. Weather conditions at the time were:

|        |                           |
|--------|---------------------------|
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| Seas:  | Seas 1'-2' moving SSE.    |

Mr. Karl Walker was notified of this incident on June 30, 1986 with a follow-up report on July 3, 1986 by Mr. J. Phelan. The National Response Center and Lake Charles District were also notified.

Yours very truly,

*D. L. Byers*  
D. L. Byers  
Coordinator  
Environmental Affairs

JMP:mh

JMP2/177

*VR 242A to VR 241 20" SSTI*  
*OCS-G-3133 Ser # 5501*  
*10" R/L hole had repaired with plug*  
*Res Bob L cognate of ANR*  
*Repitine Co.*  
*6/23/87*

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Pipeline Installation Inspection Report

G 4033

Date of Inspection: 7-31-86  
Lessee/Operator: CONDOR / ANR  
IMS Inspector: ALVARADO / WILLIAMS  
Reg No.: or BLM DCS-G 3133  
From: \_\_\_\_\_

Person involved: NONE  
Contractor: \_\_\_\_\_  
Barge ID \_\_\_\_\_  
Barge or Platform: VR 242 A  
Location \_\_\_\_\_  
DOT/DOI: DDT  
To: \_\_\_\_\_

General Description of Pipeline: Pipe Specification:

Type: \_\_\_\_\_  
Size: \_\_\_\_\_  
Grade: \_\_\_\_\_  
Seamless: \_\_\_\_\_  
Coating: \_\_\_\_\_

Length: \_\_\_\_\_  
SMYs: \_\_\_\_\_  
Wall Thickness: \_\_\_\_\_  
Anodes: \_\_\_\_\_  
Type: \_\_\_\_\_ Weight: \_\_\_\_\_  
No.: \_\_\_\_\_ Spacing: \_\_\_\_\_

IITP Test

(Medium) Water or Product

Duration Time

Pressure Psig

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Rating of Valves, Flanges, Fittings and Location

Rating: \_\_\_\_\_  
Location: \_\_\_\_\_

Flanges: \_\_\_\_\_  
Fitting: \_\_\_\_\_

Type of Downstream Component

High

Low

Sensors: \_\_\_\_\_

Rating of Downstream Component: \_\_\_\_\_

Pipeline Crossing & Clearance: \_\_\_\_\_

Burial Depth: \_\_\_\_\_

Riser Protection

Valves, Taps: \_\_\_\_\_

Coating: \_\_\_\_\_ Bumper Guard: \_\_\_\_\_

Water Depth: \_\_\_\_\_

Cover over Valves: \_\_\_\_\_

Pipeline repaired for leaks. Platform was unmanned but seemed operational.



UNITED STATES DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO REGION  
IMPERIAL OFFICE BLDG., 3301 N. CAUSEWAY BLVD.  
P. O. BOX 7944  
METAIRIE, LOUISIANA 70010

SN 5501

BEST AVAILABLE COPY

504-837-4720

In Reply Refer To: LE-3-1  
N. O. Misc. No. 160

October 9, 1984

ACTION

ANR PIPELINE COMPANY

Right-of-Way

CHANGE OF NAME RECOGNIZED

On October 4, 1984, there was filed in this office evidence of change of name from Michigan Wisconsin Pipe Line Company to ANR PIPELINE COMPANY, effective January 1, 1984.

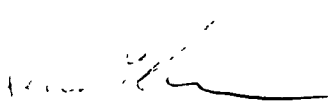
In connection with this change, the following evidence was received:

1. Certificate duly executed by Lewis R. Hellman, Secretary of ANR PIPELINE COMPANY on March 8, 1984, reflecting the following:
  - A. Officers listed therein are empowered to execute for and on behalf of the company;
  - B. Attached thereto are true and correct copies of the Certificate of Amendment of Certificate of Incorporation including the Certificate of the Secretary of State of the State of Delaware;
  - C. ANR PIPELINE COMPANY is incorporated under the laws of the State of Delaware;
  - D. ANR PIPELINE COMPANY is authorized to hold mineral leases and/or rights-of-way on the Outer Continental Shelf;
2. Copy of a resolution unanimously adopted by Consent Action of the Board of Directors of ANR PIPELINE COMPANY as of September 25, 1984, duly certified by Lewis R. Hellman, Secretary of the corporation, on October 3, 1984;
3. Bond Rider to be attached to and form a part of Outer Continental Shelf Right-of-Way Grant Bond Number U 76 88 93 changing the name of the principal from Michigan Wisconsin Pipe Line Company to ANR PIPELINE COMPANY, effective January 1, 1984;

4. Listing of the pipeline rights-of-way to be affected by the change of name.

In view of the evidence submitted, the change of ownership as to the pipeline rights-of-way listed below is recognized and the records so noted:

| <u>OCS-G NO.</u> | <u>OCS-G NO.</u> | <u>OCS-G NO.</u> |
|------------------|------------------|------------------|
| 1503             | 3353             | 4023             |
| 1503-A           | 3367             | 4033 ✓           |
| 1503-B           | 3371             | 4052             |
| 1505             | 3427             | 4053             |
| 1687             | 3428             | 4054             |
| 1687-A           | 3429             | 4151             |
| 1687-B           | 3453             | 4157             |
| 1687-D           | 3456             | 4159             |
| 1687-E           | 3457             | 4167             |
| 1687-I           | 3623             | 4168             |
| 1687-K           | 3625             | 4272             |
| 1687-M           | 3641             | 4278             |
| 1693-J           | 3642             | 4279             |
| 1905             | 3653             | 4280             |
| 1907-AA          | 3654             | 4293             |
| 2124             | 3847             | 4312             |
| 2124-A           | 3859             | 4621             |
| 2124-B           | 3922             | 5138             |
| 2124-D           | 3923             | 5155             |
| 2124-E           | 4014             | 5266             |

  
John L. Rankin  
Regional Director

cc:  
Lessee/Grantee and Associates  
✓ Case Files  
N. O. Misc. No. 160



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

### NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE

HALE BOGGS FEDERAL BUILDING

500 CAMP STREET-SUITE 841

NEW ORLEANS, LA 70130

IN REPLY REFER TO

OCS-G 4033

SN 5501

Vermilion Area

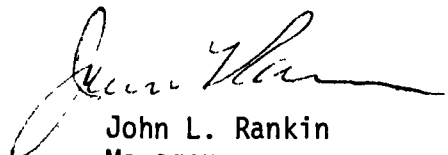
August 26, 1980

#### ACTION

|                              |   |                              |
|------------------------------|---|------------------------------|
| Michigan Wisconsin Pipe Line | : | Right of Way for Pipe Line   |
| Company                      | : |                              |
|                              | : | Date of Permit: 9/18/79      |
|                              | : |                              |
|                              | : | Decision Requesting Proof of |
|                              | : | Construction Dated:          |
|                              | : |                              |
|                              | : | Proof of Construction        |
|                              | : | Received: 8/1/80             |

#### Proof of Construction Accepted

The above-captioned permittee has submitted the evidence required by the law and regulations 43 CFR 3340.3(a). The proof of construction is hereby accepted and approved with minor deviations.

  
John L. Rankin  
Manager

cc:  
U. S. Geological Survey  
(w/dwg. and reports)

**Ford, Bacon & Davis**  
**Construction Corporation**

RECEIVED

NEW YORK

AUG 1 11 02 AM '80

BUR OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA

H-2835-B

ACTING AS AGENT FOR  
MICHIGAN WISCONSIN PIPE LINE COMPANY  
3901 JACKSON STREET  
P. O. BOX 1762  
MONROE, LOUISIANA 71201

MONROE

August 1, 1980

Mr. John L. Rankin, Manager  
New Orleans OCS Office  
Bureau of Land Management  
Hale Boggs Federal Building  
500 Camp Street, Suite 841  
New Orleans, LA 70130

Dear Mr. Rankin:

NEW ORLEANS OCS  
FILE CODE \_\_\_\_\_  
ROUTE \_\_\_\_\_ INITIAL \_\_\_\_\_  
MGR. \_\_\_\_\_  
ASST. MGR. \_\_\_\_\_  
AUG 1 1980  
P. LEGAL \_\_\_\_\_  
PAO \_\_\_\_\_  
EAD \_\_\_\_\_  
OPS \_\_\_\_\_  
STUDIES \_\_\_\_\_  
MGMT. SER. \_\_\_\_\_

Proof of Construction  
Pipeline Right of Way  
OCS-G-4033  
Block 242 to Block 241,  
Vermilion Area,  
Offshore Louisiana

On September 4, 1979, application for a pipeline right of way was approved and permit issued for the construction, maintenance, and operation of a 10-inch natural gas pipeline in Vermilion Area, Gulf of Mexico, Offshore Louisiana.

In accordance with the regulations 43 CFR 3340.3(a), and appropriate guidelines, we attach herewith in triplicate, the As-Constructed Drawing No. L-10E, along with triplicate copies of the hydrostatic test data.

If there are any questions or additional information needed pertaining to this matter, please advise.

Very truly yours,



Alta B. Lawn  
Land Department

mm

enclosures

cc: Mr. W. K. Peaker

PRESSURE TEST REPORT  
AMERICAN NATURAL SERVICE COMPANY

☒ Michigan Wisconsin Pipe Line Company  
☐ Michigan Consolidated Gas Company  
☒ Great Lakes Gas Transmission Company

Report No. 79-79-5

BEST AVAILABLE COPY RECEIVED

Sheet 1 of 2

Project Name: 10" Pipeline Vermilion Blk. 241-242 Design Pressure: 1440 PSIG

State: Louisiana Offshore County: Outer Continental Shelf

Job No.: H-2502-B Work Order No. 1419

Construction Contractor: J. Ray McDermott, Inc.

Testing Contractor: C.S.I. Hydrostatic Testers, Inc.

Test Medium: ☒ Water ☐ Gas ☐ Air ☐ Other

COMPLETE FOR PIPELINE TEST ONLY

Limits: M.P. 0.00 Station 0 + 00 to M.P. 0.82 Station 43 + 46

Pipe Specifications: 10 3/4 "O.D. X 0.365 "W.T. Grade 5LX-X42 Manuf. Stupp Inc.

Gauge Point Pressure: Maximum 2692 PSIG, Minimum 2687 PSIG

Gauge Point Elevation: +40 Ft. Station 0 + 00

Low Point Pressure: 2709 PSIG Elevation: +0 MSL Ft.

High Point Pressure: 2692 PSIG Elevation: +40 Ft.

Drawing No. PH-622-32-1

COMPLETE FOR ASSEMBLY TEST ONLY

Test Pressure: Maximum PSIG, Minimum: PSIG

Description of Assembly-Including Related Drawing Numbers:

TESTING EQUIPMENT

Pressure Pump: Make: Wheatly Serial No.: n/a Capacity: .301 Gals/Stroke

Deadweight Gauge Make: Chandler Serial No.: 7458

Pressure Recorder Make: Barton Serial No.: 242A6646

Temperature Recorder Make: Barton Serial No.: 202A173774

LEADWEIGHT READINGS (PSIG)

Date Test On 2/5/80

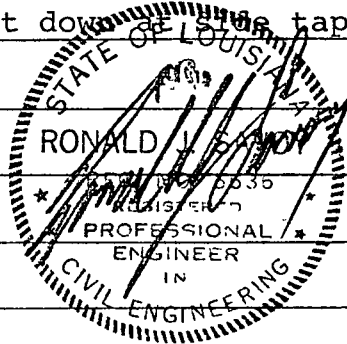
Date Test Off 2/6/80

| TIME<br>A M P M | PRESSURE<br>PSIG | TEMP °F<br>AMB PIPE | REMARKS                  | TIME<br>A M P M. | PRESSURE<br>PSIG | TEMP °F<br>AMB PIPE | REMARKS |
|-----------------|------------------|---------------------|--------------------------|------------------|------------------|---------------------|---------|
| 0140            |                  |                     | Start<br>Pressure Up     | 0530             | 2690.7           | 63   63             |         |
| 0157            | 2692             |                     | Reached Test<br>Pressure | 0545             | 2690.7           | 63   63             |         |
| 0159            | 2687             |                     | * 2692                   | 0600             | 2690.7           | 65   63             |         |
| 0238            | 2687             |                     | * 2692                   | 0615             | 2690.7           | 65   63             |         |
| 0241            | 2687             |                     | * 2692                   | 0630             | 2690.7           | 65   63             |         |
| 0246            | 2687             |                     | * 2692                   | 0645             | 2690.7           | 65   63             |         |
| 0250            | 2687             | 64   63             | *See Comment<br>2692     | 0700             | 2690.8           | 65   63             |         |
| 0300            | 2692             | 64   63             | Start Test               | 0730             | 2691             | 66   63             |         |
| 0315            | 2692             | 64   63             |                          | 0800             | 2691.7           | 66   63             |         |
| 0330            | 2691.5           | 64   63             |                          | 0830             | 2691.7           | 66   63             |         |
| 0345            | 2691.5           | 64   63             |                          | 0900             | 2691.7           | 66   63             |         |
| 0400            | 2691.3           | 63   63             |                          | 0930             | 2691.9           | 66   63             |         |
| 0415            | 2691.2           | 63   63             |                          | 1000             | 2692.2           | 66   63             |         |
| 0430            | 2691             | 63   63             |                          | 1030             | 2692.2           | 66   63             |         |
| 0445            | 2691             | 63   63             |                          | 1100             | 2692.4           | 66   63             |         |
| 0500            | 2690.7           | 63   63             |                          | 1130             | 2692.4           | 66   63             |         |
| 0515            | 2690.7           | 63   63             |                          | 1200             | 2692.4           | 66   63             |         |

Indicators: \* Repressure      • Bleed

**For Additional Readings Use New Form**

Comments 0250 hrs. - diver went down to the tap end to tighten flange and  
stop leak.



**BEST AVAILABLE COPY**

**Weather Conditions:**

Test Witness (Company Representative).

Date. 2/6/80

**Contractor Representative:**

Date: 2/6/80

Reviewed by:

Date. 2-19-80

Approved by:

Date: 3-7-80



# DEADWEIGHT READINGS (PSIG)

Report No. 79-79-5

Date Test On 2/5/80

Date Test Off 2/6/80

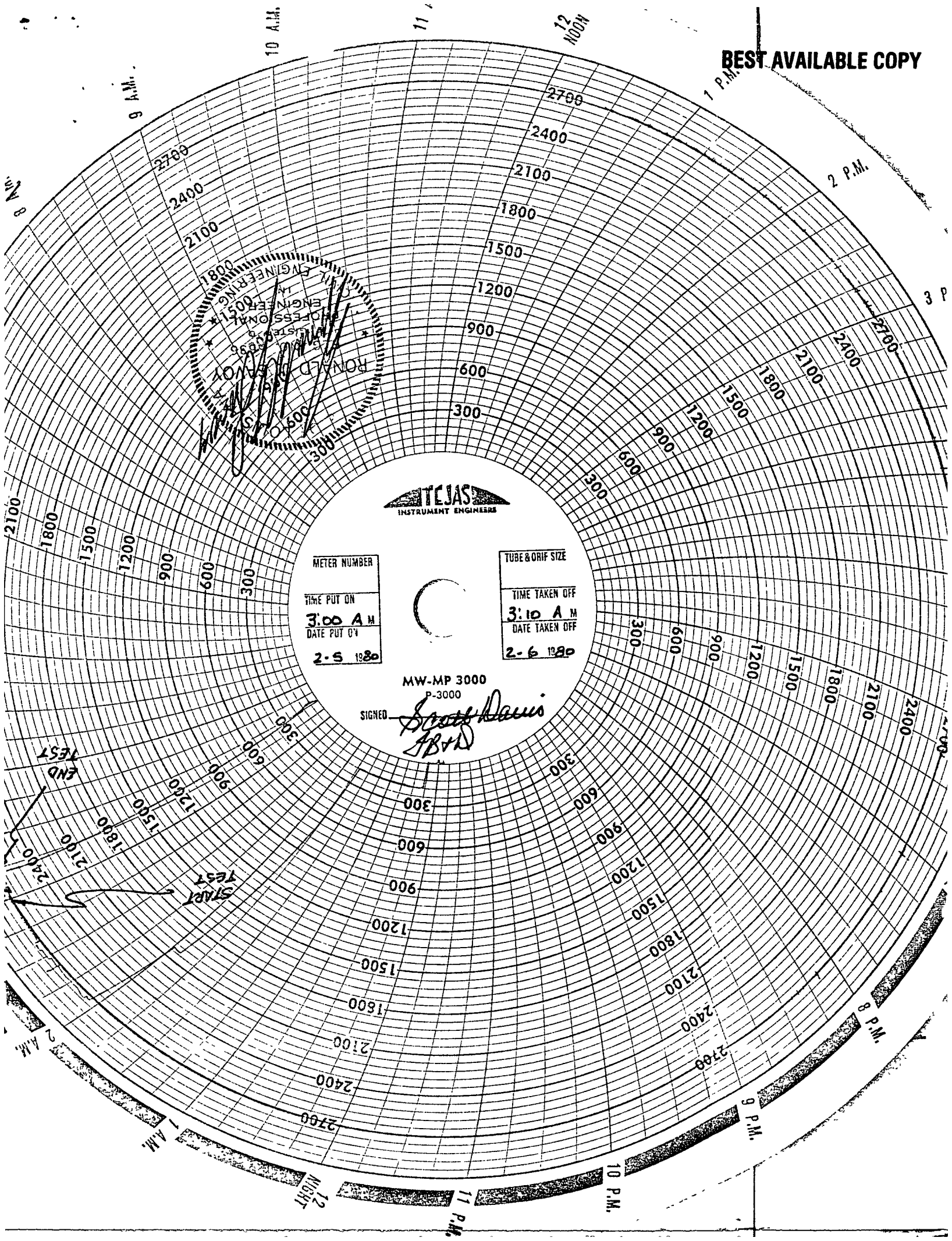
Sheet 2 of 2

| TIME<br>AM. PM | PRESSURE<br>PSIG | TEMP.<br>AMB. | TEMP.<br>PIPE | REMARKS                 | TIME<br>AM. PM | PRESSURE<br>PSIG | TEMP.<br>°F | AMB.<br>PIPE | REMARKS |
|----------------|------------------|---------------|---------------|-------------------------|----------------|------------------|-------------|--------------|---------|
| 1230           | 2692.5           | 68            | 63            |                         |                |                  |             |              |         |
| 1300           | 2692.5           | 68            | 63            | 2692                    |                |                  |             |              |         |
| 1330           | 2692             | 68            | 63            |                         |                |                  |             |              |         |
| 1400           | 2692             | 67            | 63            |                         |                |                  |             |              |         |
| 1430           | 2691.9           | 67            | 63            |                         |                |                  |             |              |         |
| 1500           | 2691.9           | 67            | 63            |                         |                |                  |             |              |         |
| 1600           | 2692             | 67            | 63            |                         |                |                  |             |              |         |
| 1700           | 2692             | 67            | 63            |                         |                |                  |             |              |         |
| 1800           | 2692             | 67            | 63            |                         |                |                  |             |              |         |
| 1900           | 2692             | 67            | 62            |                         |                |                  |             |              |         |
| 2000           | 2692             | 63            | 62            | Front Moving<br>Through |                |                  |             |              |         |
| 2100           | 2692             | 61            | 62            |                         |                |                  |             |              |         |
| 2200           | 2692             | 60            | 62            |                         |                |                  |             |              |         |
| 2300           | 2692             | 58            | 62            |                         |                |                  |             |              |         |
| 2400           | 2692             | 56            | 62            |                         |                |                  |             |              |         |
| 0100           | 2691             | 55            | 62            |                         |                |                  |             |              |         |
| 0200           | 2691             | 55            | 62            |                         |                |                  |             |              |         |
| 0300           | 2691             | 54            | 62            |                         |                |                  |             |              |         |
| 0310           | 2691             | 54            | 62            | End Test                |                |                  |             |              |         |
|                |                  |               |               |                         |                |                  |             |              |         |
|                |                  |               |               |                         |                |                  |             |              |         |
|                |                  |               |               |                         |                |                  |             |              |         |
|                |                  |               |               |                         |                |                  |             |              |         |
|                |                  |               |               |                         |                |                  |             |              |         |

REMARKS.

BEST AVAILABLE COPY

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METER NUMBER

TIME PUT ON

3:00 A.M.

DATE PUT ON

2-5-1980

TUBE & ORIF. SIZE

TIME TAKEN OFF

3:10 A.M.

DATE TAKEN OFF

2-6-1980

MW-MP 3000  
P-3000

SIGNED

*Scott Davis*  
*ABD*

START TEST

END TEST

3 P.M.

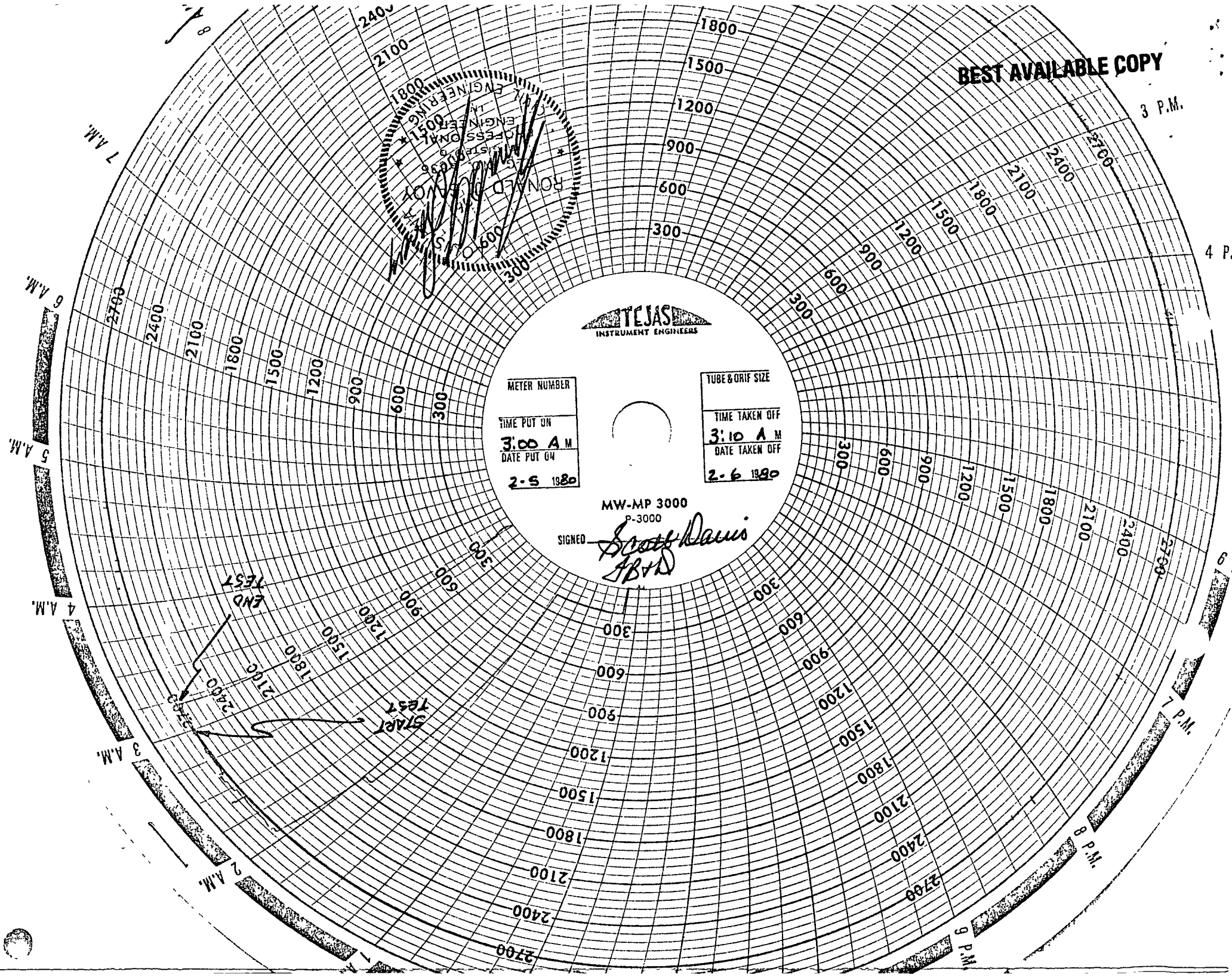
4 p.

6

7 P.M.

8  
P.M.

9 P.M.



PRINTED IN U.S.A.

9 AM

10 AM

11 AM

12 PM

1 PM

3 P.M.

7 P.M.

8 P.M.

9 P.M.

10 P.M.

11 P.M.

12 MIDNIGHT

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AUG 1 11 04 AM '80  
BUR OF LAND MGMT.  
OUTER CONTINENTAL  
SHELL OFFICE  
NEW ORLEANS, LA



METER NUMBER

TUBE & ORIF SIZE

TIME PUT ON

TIME TAKEN OFF

3:00 A M

3:10 A M

GATE PUT ON

DATE TAKEN OFF

2-5-1980

2-6-1980

MW-MP 150

SIGNED

*Scott Davis*  
JB+D

OFFICE OF  
ADVISORY  
6636  
PROFESSIONAL  
ENGINEER

PRESSURE TEST REPORT  
AMERICAN NATURAL SERVICE COMPANY

- ☒ Michigan Wisconsin Pipe Line Company  
☐ Michigan Consolidated Gas Company  
☐ Great Lakes Gas Transmission Company

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Report No 79-79-4

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Sheet 1 Of 1

Project Name. Vermilion Blk. 242 Design Pressure: 1440 PSIG

State. Offshore, Louisiana Continental Shelf.

Job No.: H-2502B Work Order No. 4419

Construction Contractor: J. Ray McDermott Inc.

Testing Contractor CSI Hydrostatic Testers, Inc.

Test Medium. ☒ Water ☐ Gas ☐ Air ☐ Other

COMPLETE FOR PIPELINE TEST ONLY

Limits: M.P. Station + to M.P. Station +

Pipe Specifications: "O.D. X "W T. Grade Manuf.

Gauge Point Pressure: Maximum PSIG, Minimum PSIG

Gauge Point Elevation: Ft. Station +

Low Point Pressure: PSIG Elevation: Ft.

High Point Pressure: PSIG Elevation: Ft.

Drawing No.

COMPLETE FOR ASSEMBLY TEST ONLY

Test Pressure: Maximum 2880 PSIG, Minimum 2860 PSIG

Description of Assembly--Including Related Drawing Numbers: 10 3/4" Riser Assembly

Drawing Number - M(LA)EC-901 Conoco Platform 242A

(Retest of riser per request of Detroit due to damage of casing)

TESTING EQUIPMENT

Pressure Pump: Make. Oilwell Serial No : N/A Capacity: N/A Gals/Stroke

Deadweight Gauge: Make: Chandler Serial No.: 8647

Pressure Recorder Make. Barton Serial No.: 242A-12663

Temperature Recorder. Make. Barton Serial No.: 242A-5179

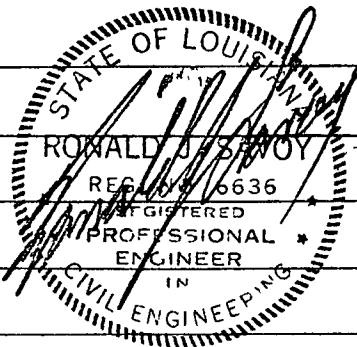
# HEADWEIGHT READINGS (PSIG)

| Date Test On      |                  |                     |                      | Date Test Off     |                  |                     |                        |
|-------------------|------------------|---------------------|----------------------|-------------------|------------------|---------------------|------------------------|
| TIME<br>A.M. P.M. | PRESSURE<br>PSIG | TEMP °F<br>AMB PIPE | REMARKS              | TIME<br>A.M. P.M. | PRESSURE<br>PSIG | TEMP °F<br>AMB PIPE | REMARKS                |
| 1100              | 2880             | 56                  | On Test              | 1400              | 2875             | 56                  | Bleed Down<br>Off Test |
| 1115              | 2880             | 56                  |                      | 1405              | 2878             | 56                  |                        |
| 1130              | 2878             | 57                  |                      |                   |                  |                     |                        |
| 1145              | 2875             | 56                  |                      |                   |                  |                     |                        |
| 1200              | 2873             | 57                  |                      |                   |                  |                     |                        |
| 1215              | 2870             | 57                  |                      |                   |                  |                     |                        |
| 1230              | 2868             | 56                  |                      |                   |                  |                     |                        |
| 1245              | 2868             | 56                  |                      |                   |                  |                     |                        |
| 1300              | 2868             | 57                  |                      |                   |                  |                     |                        |
| 1315              | 2868             | 57                  |                      |                   |                  |                     |                        |
| 1330              | 2875             | 56                  | Bleed Down<br>5 PSI  |                   |                  |                     |                        |
| 1345              | 2881             | 56                  |                      |                   |                  |                     |                        |
| 1346              | 2875             | 56                  | Bleed Down<br>5 PSI  |                   |                  |                     |                        |
| 1350              | 2880             | 56                  |                      |                   |                  |                     |                        |
| 1351              | 2875             | 56                  | Bleed Down<br>20 PSI |                   |                  |                     |                        |
| 1354              | 2880             | 56                  |                      |                   |                  |                     |                        |
| 1355              | 2860             | 56                  |                      |                   |                  |                     |                        |

Indicators: \* Repressure • Bleed

For Additional Readings Use New Form

Comments: \_\_\_\_\_



**BEST AVAILABLE COPY**

Weather Conditions: \_\_\_\_\_

Test Witness (Company Representative): [Signature] Date: 1-27-80

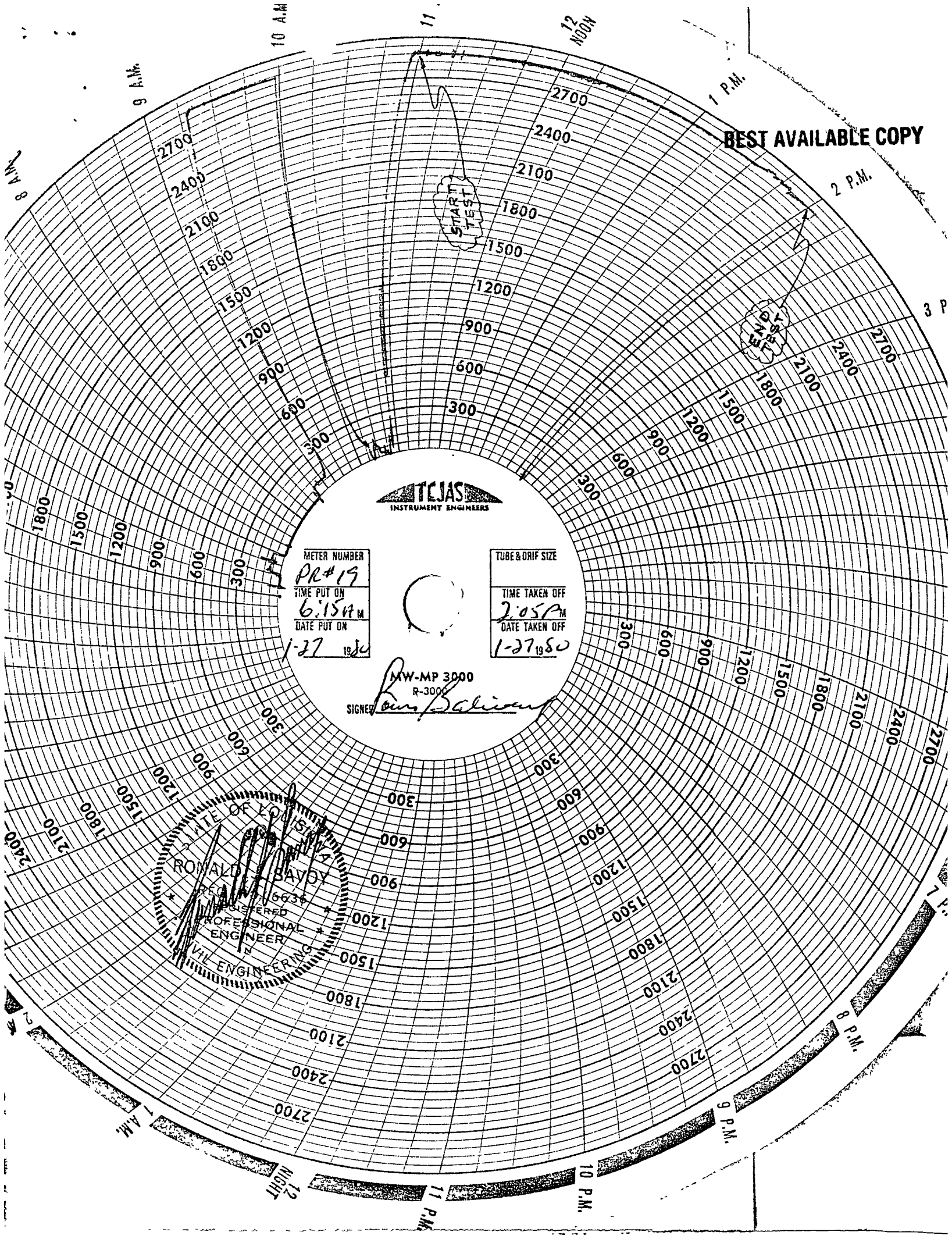
Contractor Representative: [Signature] Date: 1-27-80

Reviewed by: Scott Davis (BTD) Date: 2-4-80

Approved by: [Signature] Date: 3-7-80



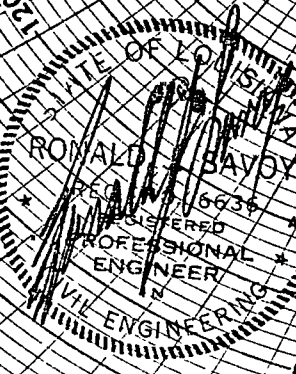
BEST AVAILABLE COPY



METER NUMBER  
PR#19  
TIME PUT ON  
6:15 A.M.  
DATE PUT ON  
1-27 1980

TUBE & ORIF SIZE  
  
TIME TAKEN OFF  
2:05 P.M.  
DATE TAKEN OFF  
1-27 1980

MW-MP 3000  
R-3000  
SIGNED Ron Baliano



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RECEIVED

AUG 11 03 AM '80

BUR OF LAND MGMT.  
COAST & GEOD. SURV.  
SHELT OFFICE  
NEW ORLEANS, LA

2 P.M.

*Reorder  
this meter  
over 1000*

**SOUTHERN  
FLOW**  
SUPERIOR CHARTS

METER NUMBER  
**TR#TE**  
TIME PUT ON  
**8:40 A.M.**  
DATE PUT ON  
**1-27-1980**

TUBE & DRIF SIZE  
TIME TAKEN OFF  
**2:05 P.M.**  
DATE TAKEN OFF  
**1-27-1980**

SIGNED

*Lawrence*

**RONALD J. SAVOY**  
REG. NO. 6636  
REGISTERED  
PROFESSIONAL  
ENGINEER  
IN  
CIVIL ENGINEERING



AMERICAN NATURAL RESOURCES SYSTEMS  
PRESSURE TEST REPORT

☐ Great Lakes Gas Transmission Company  
☐ Michigan Consolidated Gas Company  
☒ Michigan Wisconsin Pipe Line Company

Report No. 79-79-3

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Sheet 1 of 2

Project Name 10" Vermilion Block 242 Design Pressure 2880 PSIG

State Offshore, Louisiana

Job No: H-2502-B

Construction Contractor: J. Ray McDermott, Inc.

Testing Contractor CSI Hydrostatic Testers

Test Medium ☒ Water ☐ Gas ☐ Air ☐ Other

COMPLETE FOR PIPELINE TEST ONLY

Limits: M.P. Station + to M.P. Station +

Pipe Specifications. "O.D. X "W.T. Grade Manuf.

Gauge Point Pressure. Maximum PSIG, Minimum PSIG

Gauge Point Elevation. Ft. Station +

Low Point Pressure. PSIG Elevation. Ft.

High Point Pressure. PSIG Elevation. Ft.

Drawing No.

COMPLETE FOR ASSEMBLY TEST ONLY

Test Pressure. Maximum 2880 PSIG, Minimum 2760 PSIG

Description of Assembly-Including Related Drawing Numbers. 15' of 10 3/4" x .500 Wall Extra Pipe for tie-in at Vermilion 242 Platform

BEST AVAILABLE COPY

TESTING EQUIPMENT

Pressure Pump. Make: Wheatly Serial No. n/a Capacity: .301 Gals/Stroke

Deadweight Gauge. Make: Chandler Serial No. 7458

Pressure Recorder Make: Barton Serial No. 242 A6646

Temperature Recorder Make: Barton Serial No.: 202 A173774

# LOADWEIGHT READINGS (PSIG)

Date Test On: 1/28/80

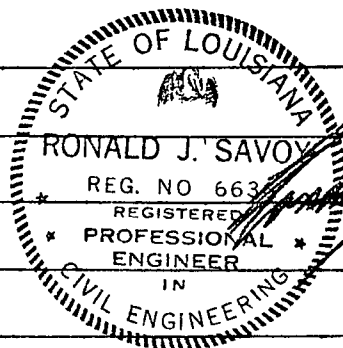
Date Test Off: 1/29/80

| TIME<br>A.M. P.M. | PRESSURE<br>PSIG | TEMP. °F<br>AMB. PIPE | REMARKS    | TIME<br>A.M. P.M. | PRESSURE<br>PSIG | TEMP. °F<br>AMB. PIPE | REMARKS |
|-------------------|------------------|-----------------------|------------|-------------------|------------------|-----------------------|---------|
| 2200              | 2880             | 58   54               | Start Test | 0215              | 2770             | 56   55               |         |
| 2215              | 2880             | 58   54               |            | 0230              | 2765             | 56   56               |         |
| 2230              | 2837             | 58   54               |            | 0245              | 2765             | 56   55               |         |
| 2245              | 2830             | 58   54               |            | 0300              | 2765             | 56   55               |         |
| 2300              | 2826             | 58   54               |            | 0315              | 2770             | 56   55               |         |
| 2315              | 2822             | 58   54               |            | 0330              | 2770             | 56   55               |         |
| 2330              | 2817             | 58   54               |            | 0400              | 2770             | 56   55               |         |
| 2345              | 2814             | 58   54               |            | 0430              | 2770             | 56   55               |         |
| 2400              | 2811             | 58   54               |            | 0500              | 2770             | 56   55               |         |
| 0015              | 2810             | 58   55               |            | 0530              | 2770             | 54   55               |         |
| 0030              | 2811             | 58   55               |            | 0600              | 2770             | 54   55               |         |
| 0045              | 2806             | 56   55               |            | 0630              | 2770             | 54   55               |         |
| 0100              | 2798             | 56   55               |            | 0700              | 2770             | 54   55               |         |
| 0115              | 2796             | 56   55               |            | 0730              | 2770             | 54   55               |         |
| 0130              | 2789             | 56   55               |            | 0745              | 2767             | 54   55               |         |
| 0145              | 2782             | 56   55               |            | 0800              | 2765             | 54   56               |         |
| 0200              | 2775             | 56   55               |            | 0815              | 2764             | 54   56               |         |

Indicators: \* Repressure • Bleed

For Additional Readings Use New Form

Comments: \_\_\_\_\_



**BEST AVAILABLE COPY**

Weather Conditions: \_\_\_\_\_

Test Witness (Company Representative): Billy Lucky Date: 1/29/80

Contractor Representative: Dan McAvoy Date: 1/29/80

Reviewed by: Scott Davis (H&O) Date: 3-7-80

Approved by: [Signature] Date: 3-7-80

## DEADWEIGHT READINGS (PSIG)

Report No 79-79-3

Date Test On 1/28/80

Date Test Off 1/29/80

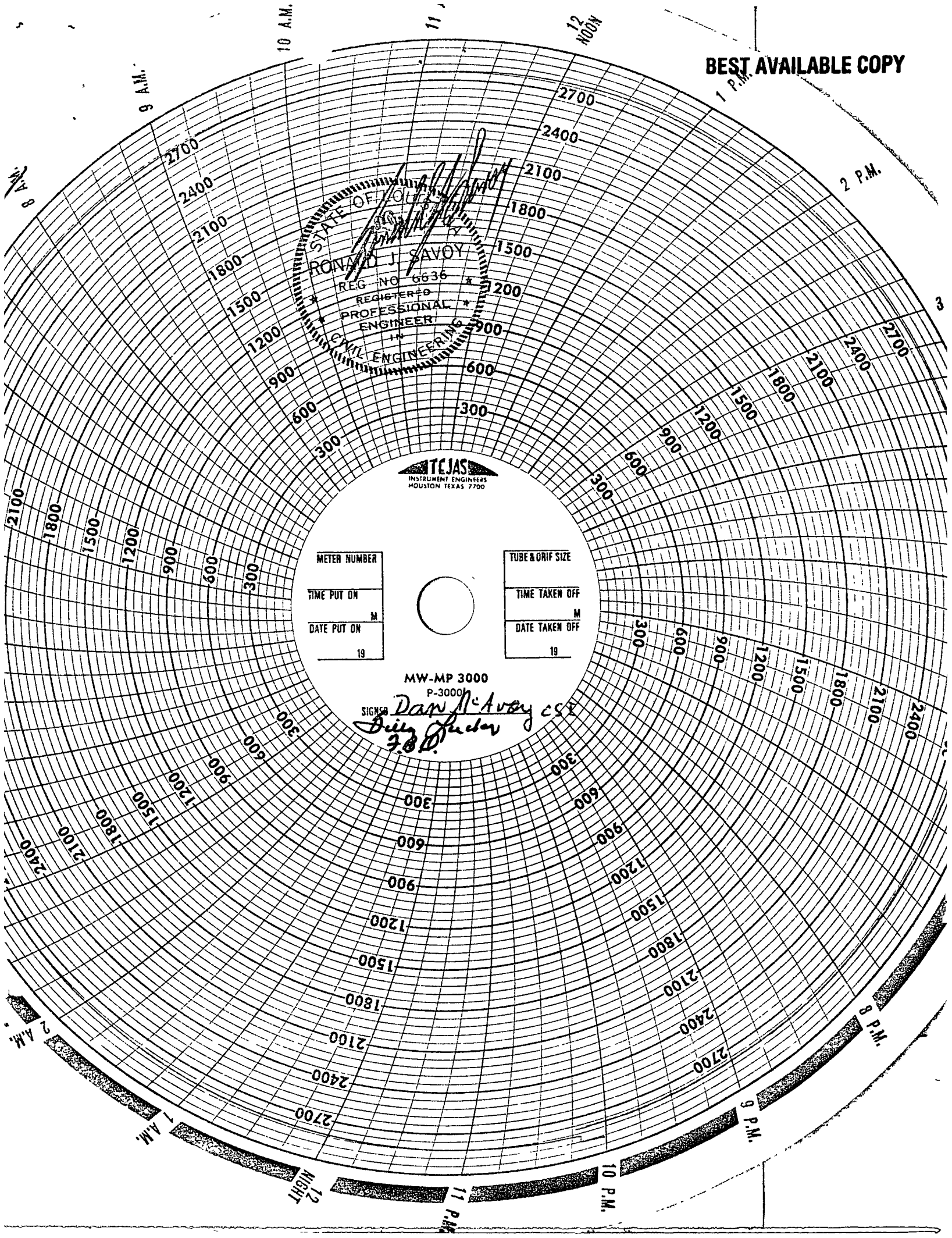
Sheet 2 of 2

| TIME<br>AM PM | PRESSURE<br>PSIG | TEMP<br>AMB | TEMP<br>PIPE | REMARKS | TIME<br>AM PM | PRESSURE<br>PSIG | TEMP<br>°F | AMB<br>PIPE | REMARKS  |
|---------------|------------------|-------------|--------------|---------|---------------|------------------|------------|-------------|----------|
| 0830          | 2763             | 54          | 56           |         | 1500          | 2810             | 58         | 62          |          |
| 0900          | 2764             | 54          | 56           |         | 1515          | 2815             | 58         | 62          |          |
| 0915          | 2766             | 54          | 56           |         | 1530          | 2820             | 58         | 61          |          |
| 0930          | 2768             | 55          | 57           |         | 1600          | 2824             | 59         | 60          |          |
| 0945          | 2769             | 55          | 57           |         | 1630          | 2823             | 59         | 59          |          |
| 1000          | 2769             | 55          | 58           |         | 1700          | 2818             | 58         | 58          |          |
| 1015          | 2770             | 55          | 58           |         | 1715          | 2817             | 58         | 58          |          |
| 1030          | 2770             | 55          | 58           |         | 1730          | 2815             | 58         | 58          |          |
| 1100          | 2770             | 56          | 58           |         | 1800          | 2813             | 57         | 58          |          |
| 1115          | 2775             | 56          | 58           |         | 1815          | 2812             | 57         | 57          |          |
| 1130          | 2779             | 56          | 58           |         | 1845          | 2810             | 56         | 56          |          |
| 1145          | 2784             | 56          | 59           |         | 1900          | 2808             | 56         | 56          |          |
| 1200          | 2787             | 56          | 60           |         | 1930          | 2806             | 55         | 56          |          |
| 1215          | 2792             | 57          | 61           |         | 1945          | 2801             | 55         | 56          |          |
| 1230          | 2796             | 57          | 61           |         | 2000          | 2794             | 55         | 56          |          |
| 1245          | 2799             | 57          | 61           |         | 2030          | 2789             | 55         | 56          |          |
| 1300          | 2802             | 57          | 61           |         | 2045          | 2787             | 55         | 56          |          |
| 1315          | 2804             | 57          | 61           |         | 2100          | 2785             | 55         | 56          |          |
| 1330          | 2807             | 57          | 61           |         | 2115          | 2784             | 55         | 56          |          |
| 1345          | 2808             | 57          | 61           |         | 2130          | 2782             | 55         | 56          |          |
| 1400          | 2808             | 57          | 61           |         | 2145          | 2781             | 55         | 56          |          |
| 1430          | 2809             | 57          | 61           |         | 2200          | 2780             | 55         | 56          |          |
| 1445          | 2810             | 57          | 62           |         | 2210          | 2780             | 55         | 56          | End Test |

REMARKS:

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STATE OF TEXAS  
RONALD J. SAVOY  
REG. NO. 6636  
REGISTERED  
PROFESSIONAL  
ENGINEER  
IN  
CIVIL ENGINEERING

TEJAS  
INSTRUMENT ENGINEERS  
HOUSTON TEXAS 7700

METER NUMBER  
TIME PUT ON  
DATE PUT ON  
19

TUBE & ORIF SIZE  
TIME TAKEN OFF  
DATE TAKEN OFF  
19

MW-MP 3000  
P-3000

SIGNED *Dan McAvoy* CSE  
*Bill Guder*  
J.B.D.

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3 P.M.

4 P.

5

6 P.

7 P.M.

8 P.M.

9 P.M.

2 A.M.

3 A.M.

4 A.M.

5 A.M.

6 A.M.

7 A.M.

STATE OF TEXAS  
RONALD J. SAVOY  
REG. NO. 6636  
REGISTERED  
PROFESSIONAL  
ENGINEER  
IN  
SKILL ENGINEERING

TEJAS  
INSTRUMENT ENGINEERS  
HOUSTON TEXAS 7700

METER NUMBER

TIME PUT ON

M

DATE PUT ON

19

TUBE & ORIF SIZE

TIME TAKEN OFF

M

DATE TAKEN OFF

19

MW-MP 3000  
P-3000

SIGNED *Dan McAvoy* cse  
*Bill Under*  
J.D.



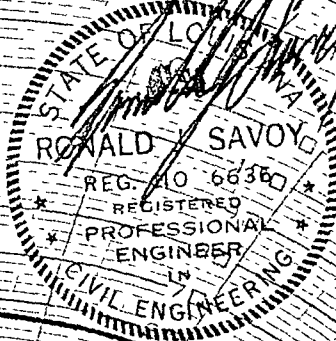
PRINTED BY THE FOXBORO  
6 P.M.

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AUG 1 11 03 AM '80

BUR OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA



MMW-P150-12

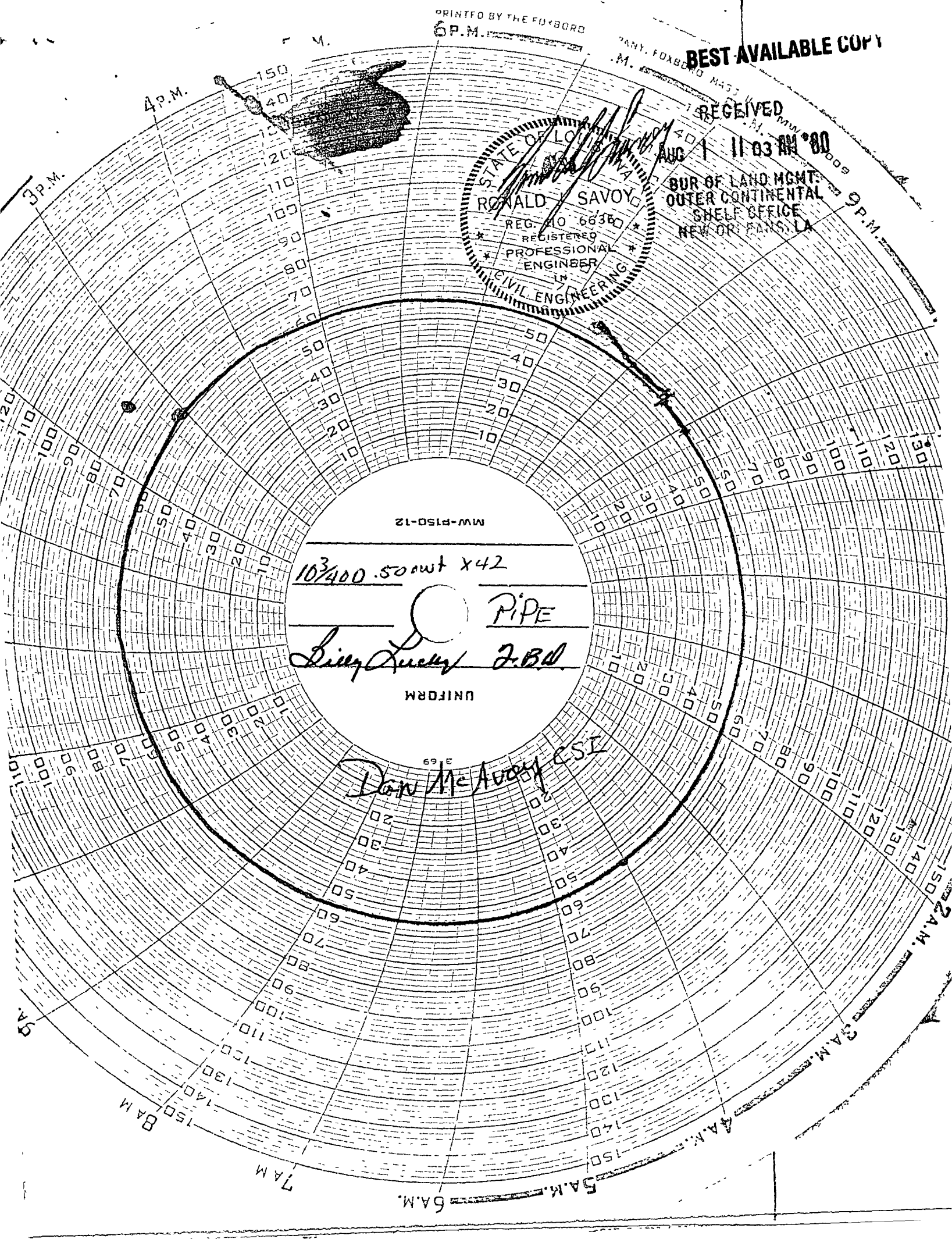
10<sup>3</sup>/400.50 awt x42

PIPE

*Living Lucky J.B.D.*

UNIFORM

*Don McAvery CSI*



PRESSURE TEST REPORT  
AMERICAN NATURAL SERVICE COMPANY

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- ☒ Michigan Wisconsin Pipe Line Company  
☐ Michigan Consolidated Gas Company  
☐ Great Lakes Gas Transmission Company

Report No. 79-22-2

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Sheet 1 Of 1

Project Name Ver. 242 & SMI-260 related piping Design Pressure: 1440 PSIG

State: Offshore Louisiana Vermillion and South Marsh Island

Job No.: H-2502-B Work Order No.: 4419 & 4435

Construction Contractor: J. Ray McDermott

Testing Contractor: J. Ray McDermott

Test Medium: ☒ Water ☐ Gas ☐ Air ☐ Other

COMPLETE FOR PIPELINE TEST ONLY

Limits: M.P. Station + to M.P. Station +

Pipe Specifications: "O.D. X "W.T. Grade Manuf.

Gauge Point Pressure: Maximum PSIG, Minimum PSIG

Gauge Point Elevation: Ft. Station +

Low Point Pressure: PSIG Elevation: Ft.

High Point Pressure: PSIG Elevation: Ft.

Drawing No.

COMPLETE FOR ASSEMBLY TEST ONLY

Test Pressure: Maximum 2880 PSIG, Minimum: 2736 PSIG

Description of Assembly-Including Related Drawing Numbers: 2-6" meter runs M(LA)EJ-901; 12" deck piping M(LA)EJ-903 1 of 5; 8" deck piping M(LA)EJ-903 4 of 5; 2-6" meter run M(LA)EC-902; 10" deck piping M(LA)EC-903; 2" deck piping M(LA)EJ-903 a of 5; 1/2" deck piping M(LA)EJ-902 2 of 2; 12" underwater tie-in AL-PL-OI-A-151; 10" underwater tie-in AL-PL-OI-A-144 and related valves.

THOSE ASSEMBLIES UNDERLINED ARE FOR S.M.I. BLK 260 TO 249

TESTING EQUIPMENT

Pressure Pump: Make: McFarland P38 Serial No.: 2A43844 Capacity: .0408 Gals/Stroke

Deadweight Gauge: Make: Chandler Serial No.: 9065

Pressure Recorder: Make: Barton Serial No.: 242A-6558

Temperature Recorder: Make: Barton Serial No.: 242A-3111

# DEADWEIGHT READINGS (PSIG)

Date Test On 10-23-79

Date Test Off 10-24-79

| TIME<br>P.M. | PRESSURE<br>PSIG | TEMP °F<br>AMB. PIPE | REMARKS        | TIME<br>A.M. | PRESSURE<br>PSIG | TEMP. °F<br>AMB. PIPE | REMARKS       |
|--------------|------------------|----------------------|----------------|--------------|------------------|-----------------------|---------------|
| 2:55         | 2850             | 69   68              | * Start Test   | 4:00         | 2780             | 62   52               |               |
| 3:15         | 2855             | 69   68              |                | 5:00         | 2750             | 62   51               | * to 2860     |
| 3:45         | 2865             | 70   68              |                | 6:00         | 2810             | 62   51               |               |
| 4:30         | 2862             | 72   67              | Clouds forming | 7:00         | 2780             | 60   51               |               |
| 5:15         | 2845             | 72   67              |                | 8:10         | 2750             | 60   50               | * to 2870     |
| 6:30         | 2750             | 70   65              | * to 2780      | 9:00         | 2875             | 61   55               |               |
| 7:10         | 2745             | 69   64              | See A) below   | 9:20         | 2880             | 61   56               | • to 2750     |
| 7:15         | 2738             | 69   64              | See A) below   | 10:00        | 2815             | 60   61               |               |
| 8:25         | 2750             | 67   62              | * to 2870      | 10:45        | 2880             | 61   63               | • to 2750     |
| 9:30         | 2780             | 67   61              |                | 11:15        | 2850             | 62   64               |               |
| 9:50         | 2750             | 66   60              | * to 2870      | 12:00        | 2880             | 64   62               | • to 2736     |
| 11:00        | 2780             | 65   59              |                | 1:00         | 2830             | 64   65               |               |
| 11:30        | 2750             | 64   58              | * to 2865      | 1:20         | 2880             | 64   65               | • to 2750     |
| 12:30        | 2815             | 64   57              |                | 2:28         | 2880             | 68   66               | • to 2750     |
| 1:30         | 2765             | 63   55              |                | 3:15         | 2810             | 72   67               | • End of Test |
| 1:55         | 2750             | 63   55              | * to 2880      |              |                  |                       |               |
| 3:00         | 2820             | 63   54              |                |              |                  |                       |               |

Indicators: \* Repressure • Bleed

For Additional Readings Use New Form

Comments: A) While crew trying to pressure up at 6:30 p.m. pump was failing to pressure the p/l. Deadweights dropped to 2738 @ 7:15 (reading by R. Ellis). Pop-off valve completed changing, pressure pump working fine now.

**BEST AVAILABLE COPY**

Weather Conditions: Mostly clear and cool, some clouds on evening of the 23rd.

Test Witness (Company Representative):

Date: 10-24-79

Contractor Representative:

Date:

Reviewed by: Scott Davis (10/24)

Date: 11-13-79

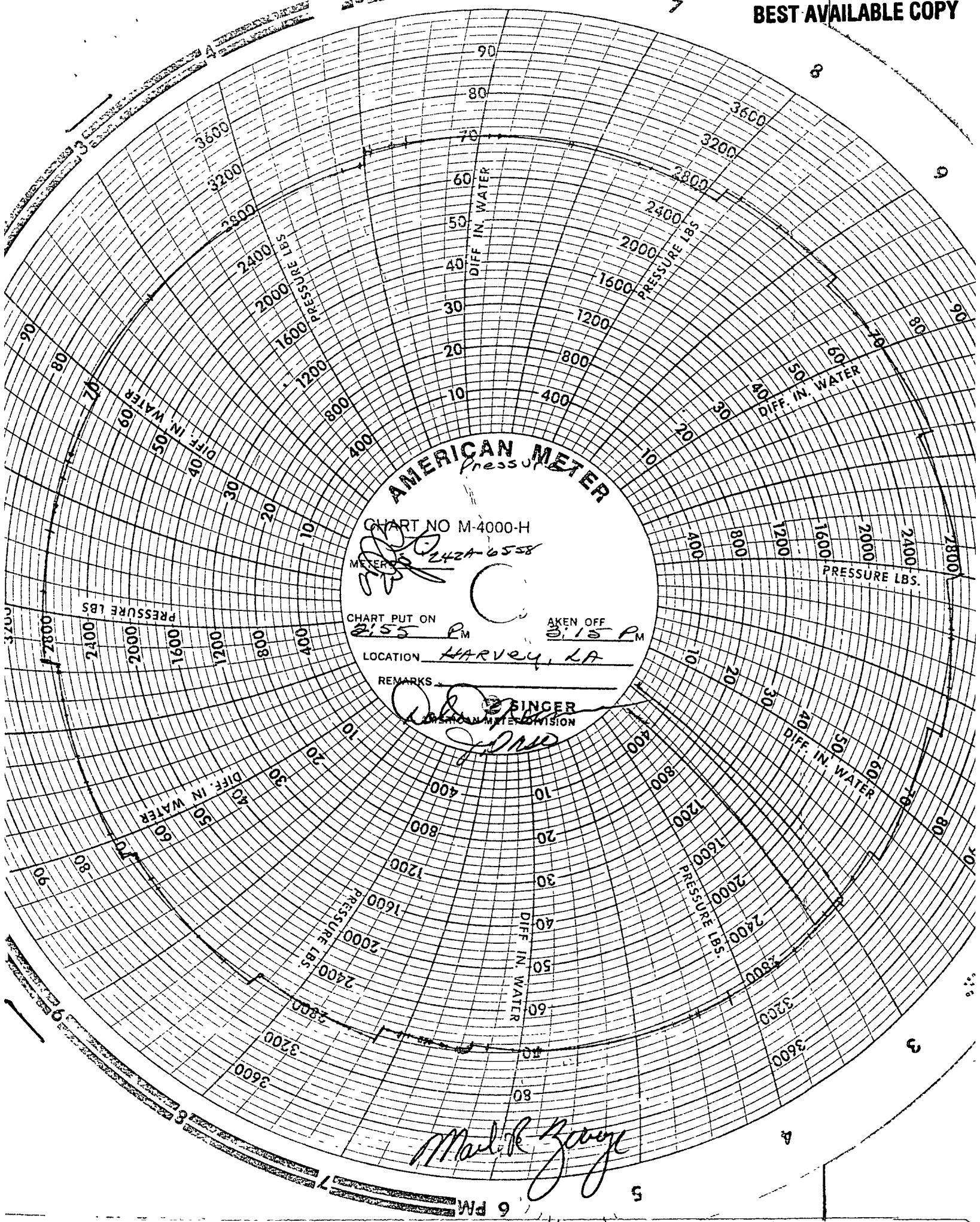
Approved by:

Date: 11/19/79

3/7/80

12:55 AM 6 AM

BEST AVAILABLE COPY



BEST AVAILABLE COPY

RECEIVED

AUG 1 11:03 AM '80

BUR OF LAND MCMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.

Temp.  
**TEJAS**  
INSTRUMENT ENGINEERS  
HOUSTON, TEXAS 77001

METER NUMBER

242A-311

TIME PUT ON

2:55 PM

DATE PUT ON

10-23-79

TUBE & ORIF SIZE

TIME TAKEN OFF

3:15 PM

DATE TAKEN OFF

10-24-79

MW-M 150-H  
150-WT-10

SIGNED

*Edie*

*of Data*

*Mark Zernige*



PRESSURE TEST REPORT  
AMERICAN NATURAL SERVICE COMPANY

☒ Michigan Wisconsin Pipe Line Company  
☐ Michigan Consolidated Gas Company  
☐ Great Lakes Gas Transmission Company

Report No. 79-79-1  
Sheet 1 of 2

RECEIVED

Project Name 10" Blk. 241 to 242 Vermilion Design Pressure. \_\_\_\_\_ PSIG

State Louisiana **BUR OF LAND MGMT.**  
**OUTER COASTAL PARISH**

Job No. H-2502-B **SHIELF OFFICE**  
**NEW ORLEANS, LA** Work Order No. 4435

Construction Contractor: J. Ray McDermott, Inc.

Testing Contractor: J. Ray McDermott Fabricators

Test Medium: ☒ Water ☐ Gas ☐ Air ☐ Other \_\_\_\_\_

COMPLETE FOR PIPELINE TEST ONLY

Limits. M.P. \_\_\_\_\_ Station \_\_\_\_\_ + \_\_\_\_\_ to M.P. \_\_\_\_\_ Station \_\_\_\_\_ + \_\_\_\_\_

Pipe Specifications: \_\_\_\_\_ "O.D. X \_\_\_\_\_ "W.T. Grade \_\_\_\_\_ Manuf. \_\_\_\_\_

Gauge Point Pressure: Maximum \_\_\_\_\_ PSIG, Minimum \_\_\_\_\_ PSIG

Gauge Point Elevation: \_\_\_\_\_ Ft Station \_\_\_\_\_ + \_\_\_\_\_

Low Point Pressure: \_\_\_\_\_ PSIG Elevation: \_\_\_\_\_ Ft.

High Point Pressure \_\_\_\_\_ PSIG Elevation: \_\_\_\_\_ Ft.

Drawing No. \_\_\_\_\_

COMPLETE FOR ASSEMBLY TEST ONLY

Test Pressure: Maximum 2880 PSIG, Minimum 2736 PSIG

Description of Assembly-Including Related Drawing Numbers Drawing No. M(LA)EC-901 10" Riser

Assembly for Conoco Platform 242A-Vermilion Block 242, Col. B-2-Test complete  
riser except for pipe bend at top of riser which will be tested with deck  
piping.

**BEST AVAILABLE COPY**

TESTING EQUIPMENT

Pressure Pump: Make McFarland Serial No. 2A43844 Capacity: .0408 Gals/Stroke

Deadweight Gauge: Make Chandler Serial No.: 9065

Pressure Recorder: Make Barton Serial No.: 242A-6558

Temperature Recorder: Make Barton Serial No.: 242A-3111

## ADWEIGHT READINGS (PSIG)

Date Test On 10/11/79

Date Test Off 10/12/79

| TIME<br>A M P M | PRESSURE<br>PSIG | TEMP °F<br>AMB. PIPE | REMARKS      | TIME<br>A M P M | PRESSURE<br>PSIG | TEMP °F<br>AMB. PIPE | REMARKS |
|-----------------|------------------|----------------------|--------------|-----------------|------------------|----------------------|---------|
| 0910            | 2764             | 71   67              | Start Test   | 1800            | 2800             | 76   84              |         |
| 0930            | 2770             | 75   69              |              | 1840            | 2736             | 72   80              | * 2880  |
| 9045            | 2780             | 76   77              |              | 1945            | 2750             | 67   77              |         |
| 1000            | 2795             | 76   72              |              | 1955            | 2736             | 66   77              | * 2880  |
| 1015            | 2810             | 80   72              |              | 2100            | 2765             | 65   74              |         |
| 1030            | 2835             | 80   72              |              | 2116            | 2736             | 65   72              | * 2880  |
| 1045            | 2860             | 82   75              |              | 2216            | 2790             | 64   71              |         |
| 1100            | 2870             | 82   75              |              | 2250            | 2740             | 63   69              | * 2880  |
| 1110            | 2880             | 83   75              | 2750         | 2345            | 2805             | 63   69              |         |
| 1200            | 2820             | 83   75              |              | 0054            | 2740             | 62   66              | * 2880  |
| 1235            | 2880             | 84   84              |              | 0155            | 2810             | 62   65              |         |
| 1345            | 2865             | 85   83              |              | 0255            | 2775             | 61   64              |         |
| 1400            | 2880             | 86   90              | 2750         | 0335            | 2743             | 59   64              | * 2880  |
| 1500            | 2820             | 85   91              |              | 0400            | 2865             | 59   63              |         |
| 1535            | 2880             | 82   91              | 2750         | 0500            | 2835             | 56   62              |         |
| 1625            | 2800             | 82   90              | SEE COMMENTS | 0600            | 2790             | 56   62              |         |
| 1700            | 2815             | 80   87              |              | 0715            | 2747             | 56   62              |         |

Indicators. \* Repressure • Bleed

For Additional Readings Use New Form

Comments: 1625 - pressure recorder reset to dead weights

BEST AVAILABLE COPY

Weather Conditions: Clear and warm to clear and cool

Test Witness (Company Representative): Scott Davis (FB&amp;D)

Date: 10/12/79

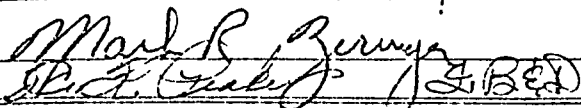
Contractor Representative: Lloyd Olsen (McDermott)

Date: 10/12/79

Reviewed by: Scott Davis (FB&amp;D)

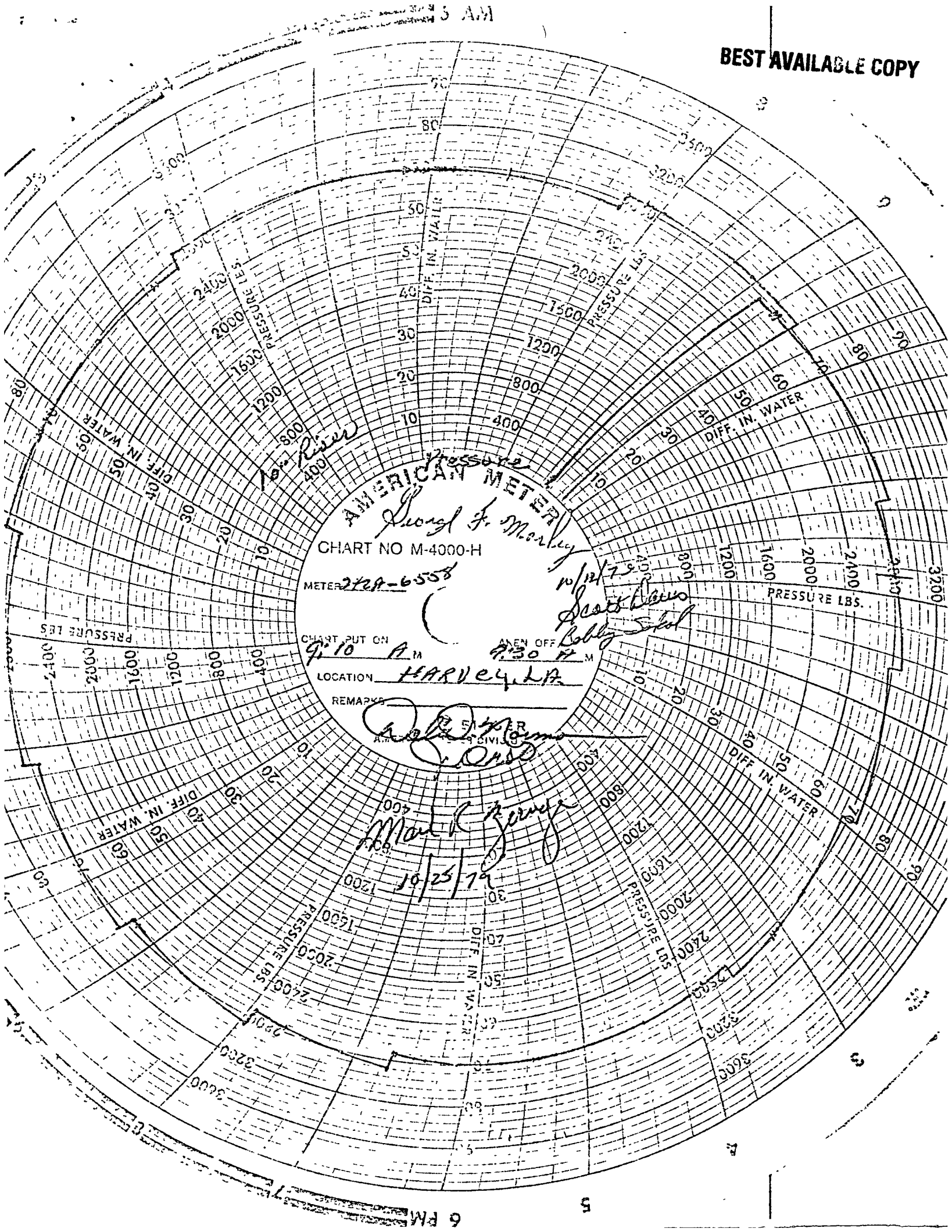
Date: 10/13/79

Approved by:


 Scott Davis (FB&D)
Date: 10/25/79  
3/7/80



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RECEIVED

1001 11 03 AM '80

BUR OF LAND & HIGHT, M.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA



METER NUMBER

3427-3111

TIME PUT ON

9:10 AM

DATE PUT ON

10-11-78

TUBE & DRIFT SIZE

TIME TAKEN OFF

9:30 AM

DATE TAKEN OFF

10-12-78

110-M 150-H

8150-W100

SICKES & SONS

J. S. Sikes

Mark R. Zing

10/25/78



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OCS-G 4033

September 20, 1979

Mr. Caesar DeLeon, Acting Director  
Office of Pipeline Safety Operations  
Material Transportation Bureau  
MTB-1  
2100 2nd SW  
Washington, D.C. 20590

Dear Mr. DeLeon:

Michigan Wisconsin Pipe Line Company  
Pipeline Right-of-way Application  
(OCS-G 4033)

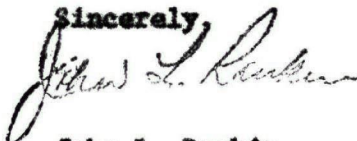
RECEIVED  
OCT 5 12 26 PM '79  
BUREAU OF LAND MGMT.  
OUTER OFFICE  
SHELBYVILLE  
KENTUCKY

In accordance with the memorandum of understanding between the Department of the Interior and the Department of Transportation entered into on May 6, 1976, the following information is enclosed:

1. Action approved September 18, 1979
2. Amendment dated
3. Application dated April 16, 1979
4. Drawing No. RC-622-32-1, Sheets 1 and 2 of 2, Revised
5. Drawing No. PL-622-32-1, Revised
6. Environmental Assessment Record

Please sign and return the duplicate copy of this letter for our file.

Sincerely,



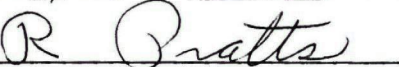
John L. Rankin  
Manager

Enclosures (6)

RECEIVED AND ACKNOWLEDGED

This the 24 day of 9, 1979.

By:

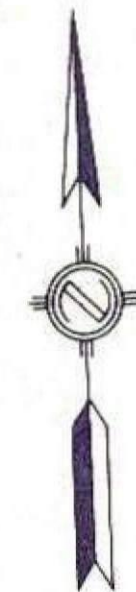


Title:





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220

219

218

222

Y=0.00

233

234

235

241

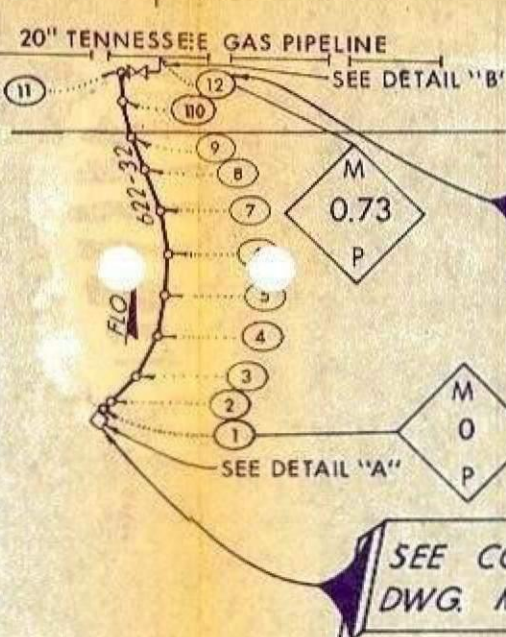
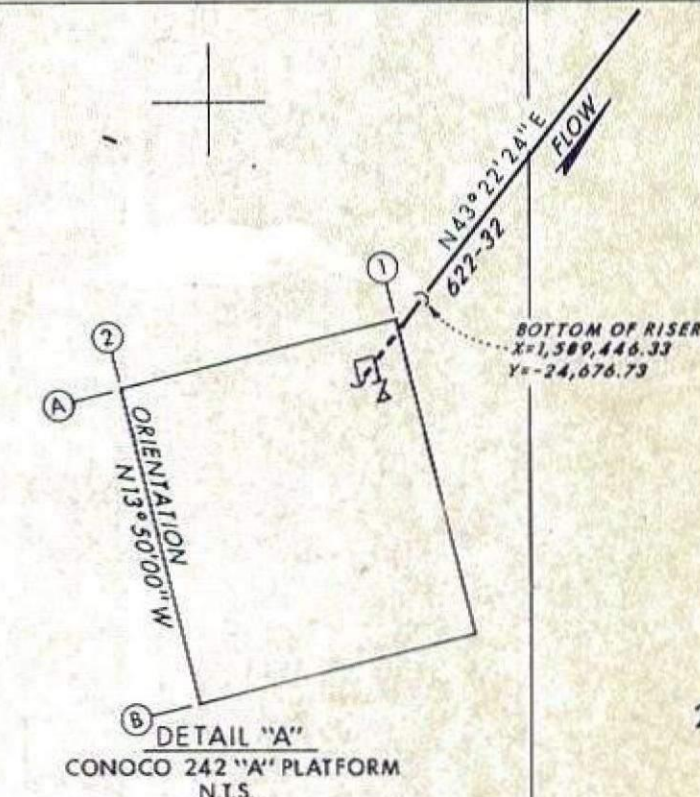
TENNECO OIL COMPANY, ET AL  
OCS-G-3132

Y=10,000.00

Y=20,000.00

EAST CAMERON AREA  
EAST CAMERON AREA, SOUTH ADDITION

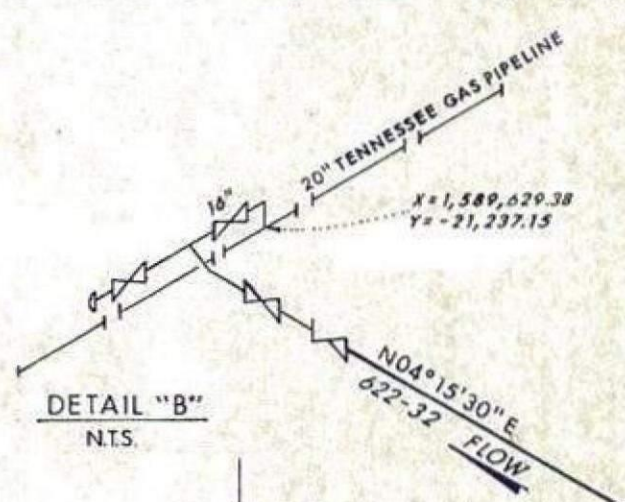
EAST CAMERON AREA  
VERMILION AREA  
EAST CAMERON AREA, SOUTH ADDITION  
VERMILION AREA



242

GETTY OIL COMPANY, ET AL  
OCS-G-3133

Y=30,000.00



238

237

236

VERMILION AREA  
VERMILION AREA, SOUTH ADDITION

261

Y=140,000.00

| TRAVERSE DATA                                |         |             |              |            | SUMMARY                |           |                                                    |
|----------------------------------------------|---------|-------------|--------------|------------|------------------------|-----------|----------------------------------------------------|
| POINT                                        | STATION | BEARING     | X            | Y          | REMARKS                | WD/COVER  | DESCRIPTION                                        |
| 622-32: 10" MICH. WISC. BLK. 241 TO BLK. 242 |         |             |              |            |                        |           |                                                    |
| 1                                            | 0+00.0  | N43°22'24"E | 1,589,446.33 | -24,076.73 | ELL At Bottom Of Riser | 119' / 9' | See Const. Dwg. M(LA)EC-901                        |
| 2                                            | 0+13.8  | N43°22'24"E | 1,589,455.77 | -24,666.73 | Transition             | 119' / 9' | Pipe Line: 10 3/4" O.D. x 0.365" W.T., API-5LX-X42 |
| 3                                            | 5+23    | N26°24'25"E | 1,589,795.05 | -24,307.62 |                        | 119' / 3' | STUPP, 1/2" Somatic, 1" Thk. Continuous            |
| 4                                            | 9+87    | N10°36'40"E | 1,589,994.75 | -23,905.45 |                        | 119' / 3' | Concrete Coating (140#/Cu. Ft.), 140 Specific      |
| 5                                            | 14+28   | N02°57'13"E | 1,590,073.28 | -23,486.28 |                        | 120' / 3' | Gravity                                            |
| 6                                            | 18+73   | N08°35'11"W | 1,590,095.35 | -23,058.53 |                        | 120' / 3' | 260# Zinc Anode Bracelets                          |
| 7                                            | 23+27   | N22°54'27"W | 1,590,029.95 | -22,625.39 |                        | 120' / 3' |                                                    |
| 8                                            | 28+08   | N21°13'55"W | 1,589,848.81 | -22,196.73 |                        | 120' / 3' |                                                    |
| 9                                            | 31+88   | N16°33'07"E | 1,589,717.01 | -21,857.49 |                        | 121' / 3' |                                                    |
| 10                                           | 35+80   | N04°15'30"E | 1,589,610.00 | -21,497.43 |                        | 121' / 3' |                                                    |
| 11                                           | 38+26.6 | N04°15'30"E | 1,589,427.15 | -21,267.07 | Transition             | 121' / 4' |                                                    |
| 12                                           | 38+56.6 |             | 1,589,629.38 | -21,237.15 | Single 10" Side Tap    | 121' / 1' | See Const. Dwg. AL-PL-01-A-144                     |

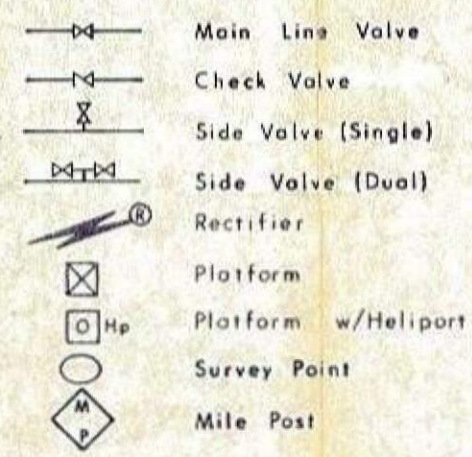
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AUG 1 11 02 AM '80  
BUREAU OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFSHORE  
NEW ORLEANS, LA

NOTES

- Stationing indicates Pipe Footage.
- Grid Based on Louisiana (Lambert) Plane Coordinate System - South Zone.
- Locations of Platforms and Pipelines owned by others, based on owner's data.
- Facilities installed in accordance with DOT Regulations.

LEGEND



|      |       |       |
|------|-------|-------|
| K-9E | K-10E | K-11E |
| L-9E | L-10E | L-11E |
| M-9E | M-10E | M-11E |

KEY

Seg 5501  
OCS-G-4033

AS BUILT

|                                                                                 |                |
|---------------------------------------------------------------------------------|----------------|
| 10" Lateral Subsea Tie-In                                                       | AL-PL-01-A-144 |
| 10" Riser Assembly Plan & Details                                               | MLA)EC-901     |
| REFERENCE                                                                       | NUMBER         |
| PREPARED BY<br>Ford, Bacon & Davis Construction Corporation<br>MOHRE            |                |
| MICHIGAN WISCONSIN PIPE LINE CO.<br>ENGINEERING DEPARTMENT<br>DETROIT, MICHIGAN |                |
| DRAWN BY EDW                                                                    | DATE 2-27-80   |
| DRAFTING CHK WWH                                                                | DATES 6-80     |
| DESIGN CHK PEP                                                                  | DATE 7-29-80   |
| SCALE 1"=2000'                                                                  |                |
| OFFSHORE GATHERING SYSTEM<br>VERMILION AREA<br>OFFSHORE, LOUISIANA              |                |
| DRAWING NUMBER                                                                  | L-10E          |
| SHEET                                                                           | 1 OF 1         |







**BEST AVAILABLE COPY**

OCS-G 4033

Vermilion Area

September 4, 1979

Michigan Wisconsin Pipe Line Company

Right-of-way

ACTION - APPLICATION APPROVED

Your application for a 10-inch natural gas pipeline from CAGC's Platform "A" in Block 242 to a subsea tie-in with Tenneco Inc.'s 20-inch receiving line (OCS-G 3852) in Block 241, Vermilion Area, dated April 16, 1979, and amendment thereto dated July 23, 1979, with their attachments is hereby approved with the following additions and corrections:

1. Caution should be exercised when placing lay barge anchors near the CAGC Well No. 1 which lies within ±1000 feet of the relocated centerline in Block 242.
2. The ANSI 600 valves, flanges, and fittings should not be subjected to a body test greater than 2,175 psig.
3. Hydrostatic test data including test procedure, hold time, two copies of the pressure charts and results, along with two copies of the completion report consisting of a plat showing the location of the pipeline as installed, must be submitted to this office within ninety (90) days after completion.

The permittee agrees that if any site, structure, or object of historical or archaeological significance should be discovered during the conduct of any operations within the permitted right-of-way he shall report immediately such findings to the Manager, New Orleans OCS Office, and make every reasonable effort to preserve and protect the cultural resource from damage until the Manager, New Orleans OCS Office, has given directions as to its preservation.

Permittee agrees to comply with all regulations and conditions as may be prescribed by the Secretary of the Interior, or the Secretary of Transportation including, pursuant to section 21(b) of the OCS Lands Act, as amended, provisions to assure maximum environmental protection by utilization of the best available and safest technologies, including the safest practices for pipeline burial. This agreement includes but is not limited to complying with the following stipulations:

1. Permittee shall transport or purchase without discrimination oil or natural gas produced from submerged lands or outer Continental Shelf lands in the vicinity of its pipeline in such proportionate amounts as the Federal Energy Regulatory Commission, in consulta-


**BEST AVAILABLE COPY**

Michigan Wisconsin Pipe Line Company

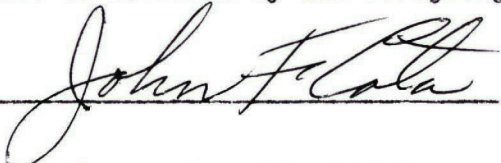
OCS-G 4033

tion with the Secretary of Energy, may, after a full hearing with due notice thereof to the interested parties, determine to be reasonable, taking into account, among other things, conservation and the prevention of waste.

2. Permittee shall operate its pipeline in accordance with the competitive principles set out in section 5(f)(1) of the Outer Continental Shelf Lands Act, as amended, except insofar as the Federal Energy Regulatory Commission may, by order or regulation, exempt such pipeline from any or all of the requirements of section 5(f)(1) pursuant to section 5(f)(2) (which permits such exemption of any pipeline or class of pipelines which feeds into a facility where oil and gas are first collected or a facility where oil and gas are first separated, dehydrated, or otherwise processed).
3. Unless so exempted by Federal Energy Regulatory Commission order or regulation, permittee shall operate its pipeline so as to provide open and nondiscriminatory access to both owner and non-owner shippers, and permittee shall comply with any specific conditions which the Secretary of Energy and the Federal Energy Regulatory Commission may require, after consultation with and due consideration given to the views of the Attorney General, to ensure that its pipeline is operated in accordance with the competitive principles set forth in section 5(f)(1).

  
John L. Rankin, Manager  
Date: September 18, 1979

Michigan Wisconsin Pipe Line Company hereby agrees to be bound by the foregoing.

  
Date: September 12, 1979

cc: Geological Survey, USDI  
Office of Pipeline Safety Operations, USDT





# United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Coastal Ecosystems  
P.O. Box 4696  
Panama City, Florida 32401

May 23, 1979

NEW ORLEANS OCS  
FILE CODE \_\_\_\_\_  
ROUTE \_\_\_\_\_ INITIAL \_\_\_\_\_  
MGR. \_\_\_\_\_  
ASST. MGR. \_\_\_\_\_  
MAY 23 1979  
P. LEGAL \_\_\_\_\_  
PAO \_\_\_\_\_  
EAD \_\_\_\_\_  
OPS \_\_\_\_\_  
STUDIES \_\_\_\_\_  
MGMT. SER. \_\_\_\_\_

## Memorandum

To : Manager, New Orleans OCS Office, Bureau of Land Management  
New Orleans, La.

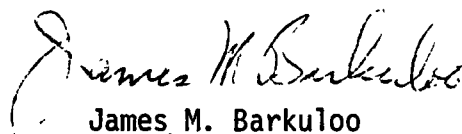
From : Assistant Leader - Coastal Ecosystems Activities, FL  
Panama City, FL

Subject: Review of Pipeline Applications

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MAY 29 12 26 PM '79  
BUREAU OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.

We have reviewed the following pipeline applications and have no objections to the proposed operations at these sites. The Environmental Assessment Branch, National Marine Fisheries Service, was consulted regarding these applications and it has no objections.

1. Pipeline Application, Transcontinental Gas Pipe Line Corporation, OCS-G 4029, Main Pass Area
2. Pipeline Application, Northern Natural Gas Company, OCS-G 4031, West Cameron Area
3. Pipeline Application, Transcontinental Gas Pipe Line Corporation, OCS-G 4032, Vermilion Area, South Addition
4. Pipeline Application, Michigan Wisconsin Pipe Line Company, OCS-G 4033, Vermilion Area

  
James M. Barkuloo

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4033  
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APR 16 12 46 PM '79

BUR OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.

April 12, 1979

H-2502-B  
MW-OS-24.3

U. S. Corps of Engineers  
New Orleans District  
P. O. Box 60267  
New Orleans, LA 70160

Attn: Chief of Permits  
& Statistics Branch

Gentlemen:

|                |         |
|----------------|---------|
| NEW ORLEANS CC |         |
| FILE CODE      |         |
| ROUTE          | INITIAL |
| MGR.           |         |
| ASST. MGR.     |         |
| APR 16 1979    |         |
| P. LEGAL       |         |
| PAO            |         |
| EAO            |         |
| OPS            |         |
| STUDIES        |         |
| MGMT. SER.     |         |

Proposed 10-Inch Pipeline  
Block 242 to Block 241  
Vermilion Area, Offshore  
Louisiana, Gulf of Mexico

We submit the following enclosures for your review and approval of a permit for the above referenced project:

1. One (1) Application for Permit Form
2. Seven (7) copies of Drawing Number RC-622-32-1, Sheets 1 and 2 of 2.

Your early consideration and handling of this matter is appreciated.

Very truly yours,

W. K. Peaker  
Project Manager - Offshore

WKP/al  
enclosures

cc: Bureau of Land Management/with attachments  
Federal Communications Commission/with attachments  
Data Com/with attachments



**Memorandum**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTIN REPLY REFER TO:  
2883 (210)

To : Regional Director  
USFWS, Atlanta, Georgia  
Date: May 4, 1979

FROM : Manager  
New Orleans OCS Office

SUBJECT : Pipeline Application, Michigan Wisconsin Pipe Line Company,  
OCS-G 4033, Vermillion Area

Enclosed is a copy of a pipeline application and map from Michigan Wisconsin Pipe Line Company for the proposed installation of a ten-inch natural gas pipeline in Vermillion Area, Offshore Louisiana.

Please review and send your comments concerning the potential affects of development on the biotic resources along the pipeline right-of-way. Your prompt review and comments are requested.

Please refer to OCS-G 4033 in your reply.

**Enclosures**

1. Application dated April 16, 1979
2. Drawing No. RC-622-32-1, Sheets 1 and 2 of 2,  
Revision 1 dated April 24, 1979

**cc:**

Jim Barkuloo (w/encl)  
U. S. Fish & Wildlife Service  
P. O. Box 4696  
Panama City, Florida 32401

210/JAKerwin,Sr./mhh/5-4-79



**Memorandum**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTIN REPLY REFER TO:  
2883 (210)

To : Conservation Manager  
Gulf of Mexico OCS Operations  
FROM : Manager  
New Orleans OCS Office  
SUBJECT : Michigan Wisconsin Pipe Line Company's Pipeline Right-of-way  
Application (OCS-G 4033)

Date: May 4, 1979

In accordance with the memorandum of understanding between the Bureau of Land Management and U. S. Geological Survey signed August 1, 1974, the subject application is attached.

Please review the technical aspects of the proposed pipeline. If you have any questions regarding this matter, please contact Mr. Autry J. Britton of this office.

**Attachments**

1. Application dated 4/16/79
2. Drawing No. RC-622-32-1, Sheets 1 and 2 of 2,  
Revision 1 dated 4/24/79
3. Drawing No. PL-622-32-1, Revision 1 dated 4/24/79
4. Drawing No. 622-32-1, Sheet 1 of 1, Revision 1  
dated 4/24/79

210/AJBritton/mhh/5-4-79

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCS-G 4033

CONFIRMATION/REPORT OF TELEPHONE CONVERSATION

|        |                  |                  |                       |
|--------|------------------|------------------|-----------------------|
| T<br>O | Name             | F<br>R<br>O<br>M | Name                  |
|        | Autry Britton    |                  | Ken Peaker            |
|        | Office           |                  | Office                |
|        | OCS              |                  | Ford, Bacon and Davis |
|        | Location         |                  | Location              |
|        | New Orleans, La. |                  | Monroe, Louisiana     |
|        | Telephone Number |                  | Telephone Number      |
|        | 589-3522         |                  | (318) 388-1530        |

Purpose of Call:

To inform me that it was necessary to change the wall thickness and grade of their line pipe. The application will be amended to include these changes and other items associated with these changes.

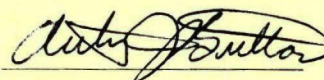
Explanatory Remarks:

7-6-79

(Date)

Autry J. Britton

(Signature)



CONFIRMATION COPY



August 3, 1979

Memorandum

To: Regional Director  
USFWS, Atlanta, Georgia

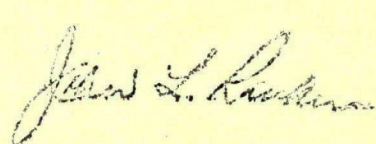
From: Manager  
BLM, New Orleans OCS Office

Subject: Amended Pipeline Application, Michigan Wisconsin Pipe Line  
Company, OCS-G 4033, Vermilion Area

Enclosed is a copy of an amended pipeline application and maps from Michigan Wisconsin Pipe Line Company for the proposed installation of a ten-inch natural gas pipeline in Vermilion Area, Offshore, Louisiana.

Please review and send your comments concerning the potential affects of development on the biotic resources along the pipeline right-of-way. Your prompt review and comments are requested.

Enclosures (4)

- 
1. Amended Application dated July 23, 1979
  2. Drawing No. RC-622-32-1, Sheets 1 thru 2 of 2
  3. Drawing No. PL-622-32-1
  4. Drawing No. 622-32-1

cc: Mr. Jim Barkuloo (w/encl)  
U.S. Fish & Wildlife Service  
P.O. Box 4696  
Panama City, Florida 32401

210/JAKerwin,Sr./jj/8-3-79



**Memorandum**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTIN REPLY REFER TO:  
OCS-G 4033

To : Conservation Manager  
Gulf of Mexico OCS Operations

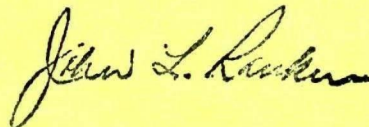
Date: August 3, 1979

FROM : Manager, New Orleans OCS Office

SUBJECT: Michigan Wisconsin Pipe Line Company's Amended Pipeline Right-of-Way Application (OCS-G 4033)

Attached is additional information which you may use to further evaluate the subject amended application.

If you have any questions regarding this matter, please contact Mr. Autry J. Britton of this office.



## Attachments

1. Amended Application dated July 23, 1979
2. Drawing No. RC-622-32-1, Sheets 1 thru 2 of 2
3. Drawing No. PL-622-32-1
4. Drawing No. 622-32-1

210/AJBritton/jj/8-3-79

PIPELINE APPLICATION CHECK LIST

INSTRUCTIONS: Check the blank on the left if the statement is affirmative or correct data submitted. Mark N/A (not applicable) where appropriate. Place an X in the blank if the answer is no or if the data was not submitted. All blanks marked X must be rectified to a check (or qualified) before approval can be given for the pipeline. Enter data in the blanks on the right.

A. Verify the following general information:

I. SOP

- \_\_\_\_\_ a. Do the leases involved on the P/L application appear on the current Suspension of Production (SOP) Lease List?

II. POD

- \_\_\_\_\_ a. Is the pipeline presently covered by an approved Plan of Development (POD)? (Discuss ROU&E with Doug.) If yes, go to III. If No, go to 250.34. (Requires submittal to POD/P by operator to District.)

III. USGS Application

- \_\_\_\_\_ a. The applicant is a Federal lease holder and the pipeline is to be used for such purposes as:
- \_\_\_\_\_ 1. Moving production to a control point for gathering, treating, storing, or measuring.
  - \_\_\_\_\_ 2. Delivery of production to a point of sale.
  - \_\_\_\_\_ 3. Delivery of production to a pipeline operated by a transportation company.
  - \_\_\_\_\_ 4. Moving fluids in connection with lease operations, such as for injection purposes.
- \_\_\_\_\_ b. The pipeline is within the lease boundary owned by the operator (If yes, include 30 CFR 250.19(b) in approval.)
- \_\_\_\_\_ c. Pipeline is within contiguous lease boundaries. (If yes, include 30 CFR 250.19(b) in approval.)
- \_\_\_\_\_ d. Pipeline is within non-contiguous lease boundaries. (If yes, include 30 CFR 250.18(c) and 30 CFR 250.19(b) in approval.)
- \_\_\_\_\_ e. Lessee's "intent to cross" letter are received. (Wait 30 days for letters of objection. Only objections concerning interference with lease operations will be considered.)
- \_\_\_\_\_ f. Pursuant to Secretarial Order 2974 of April 30, 1975, check the following:

- \_\_\_\_\_ 1. FWS notified \_\_\_\_\_.
- \_\_\_\_\_ 2. FWS comment received \_\_\_\_\_.
- \_\_\_\_\_ 3. BLM notified \_\_\_\_\_.
- \_\_\_\_\_ 4. BLM comment received \_\_\_\_\_.
- \_\_\_\_\_ 5. Environmental Impact Evaluations completed \_\_\_\_\_.
- \_\_\_\_\_ 6. If related to new POD/P, date of POD/P approval \_\_\_\_\_.

IV. BLM Application

- \_\_\_\_\_ a. The pipeline must be able to be subjected to common carrier provisions (i.e., no downstream production facilities or downstream pipelines which could not be subjected to common carrier provisions).

V. DOT Pipelines

- ✓ \_\_\_\_\_ a. The pipelines are shoreward of the outlet flange at the first process facility (If yes, include 49 CFR 192 for gas P/L or 49 CFR 195 for oil P/L in approval).

VI. DOI Pipelines

- \_\_\_\_\_ a. Pipelines not covered by V above.

B. Verify that the information shown on the safety equipment schematic drawing contains the following:

- ☒ I. The pipeline leaving the platform receiving production from the platform is equipped with high and low pressure sensors to directly or indirectly shut-in the well or wells on the platform.
- ~~N/A~~ II. The pipeline delivering production to production facilities on the platform is equipped with an automatic fail close valve tied into the automatic and remote shut-in system. SSTI
- ~~N/A~~ III. The pipeline crossing the <sup>production</sup> platform which does not deliver production to the platform, but which may or may not receive production from the platform, is equipped with high and low pressure sensors connected to an automatic fail close valve located in the upstream portion of the pipeline at the platform. In addition, the sensors are tied into either the platform's automatic and remote shut-in system or an independent remote shut-in system.
- ☒ IV. The pipeline boarding the platform is equipped with a check valve. SSTI
- ☒ V. The pipeline leaving the platform is equipped with a check valve.
- ~~N/A~~ VI. The pipeline pump is shown as well as its associated high and low pressure shut-in device.
- ☒ VII. If pipeline pilots are located on any pressure vessel or downstream of a departing check valve, all flow restriction(s), (back pressure valve(s), chokes), downstream of the process vessel, or wellhead, and upstream if check valve(s) must be indicated on the schematic.

If flow restriction(s) exist downstream of any process vessel a low pressure sensor must be installed between the flow restriction(s) and the departing check valves and high pressure sensor must be installed downstream of flow restriction(s).

Reference API RP 14C, Pages 23 and 59

- ☒ VIII. Pressure source is drawn into the schematic with the following:
- ☒ a. Source SEPARATOR.
- ☒ b. Maximum source pressure, psig 1,440.
- ☒ IX. The rated working pressures of all separators, pumps, compressors, valves, flanges, and fittings upstream of and including the boarding automatic fail close valve are shown.

ANSI 600  
1,440 psig.



C. Verify that the location plat depicts the following:

- ☒ I. Location of pipeline
- ☒ II. Length of pipeline
- ☒ III. Size of pipeline
- ☒ IV. Type of service
- ☒ V. Direction of flow

D. Verify that the information given on the submitted data sheet is complete; and calculate the  $MAOP_{sc}$ ,  $MAOP_{rc}$ ,  $MAOP_{p/l}$ .

I. General information for calculating  $MAOP_{sc}$ ,  $MAOP_{rc}$ , etc.

- a. Size of pipeline, inches 10.75
  - b. Weight of pipeline, lbs./ft. 40.48
  - c. Grade of pipeline X-42
  - d. Wall thickness, inches .365
  - e. Size of riser, inches \_\_\_\_\_
  - f. Weight of riser, lbs./ft. \_\_\_\_\_
  - g. Grade of riser \_\_\_\_\_
  - h. Wall thickness of riser, inches \_\_\_\_\_
  - i. Minimum WP rating of piping, fittings, valves, psig \_\_\_\_\_
  - j. Hydrostatic test pressure (HTP), psig 2704 - 2709
  - k. Hold time, hrs. 24
  - l. Classification of pipeline (~~oil or~~ gas) GAS
  - m. Type of pipe (ASTMA106, API5L, etc) API-5LX-X42
- Note: If ASTM A 53 Reference API RP 14E, Section 2.1.a(2)

### III. DOT Pipelines

a. IP @ SMYS for submerged pipeline =  $\frac{2st}{D} = \frac{2(42,000) \cdot 365}{10.75} = 2,852$

b. (.72 x IP @ SMYS) for submerged pipeline =  $\boxed{2,054}$  (MAOP<sub>sc</sub>)

c. IP @ SMYS for riser =  $\frac{2st}{D} = 3,256$

d. For oil P/L (.60 x IP @ SMYS) for riser = \_\_\_\_\_ (MAOP<sub>rc</sub>)

For gas P/L (.50 x IP @ SMYS) for riser =  $\boxed{1,628}$

e. See Ii above 1,440 (MAOP<sub>pfv</sub>)

f. Are b, d, and e  $\geq$  MSP

1,440  $\geq$  1,440

NOTE: If not, a departure is necessary requiring redundant safety equipment.

NA

A written request for a departure has been received and the redundant safety equipment is satisfactory.

#### g. Limit of Testing

NA

##### 1. For oil P/L:

Is  $1.25 \text{ MSP} \leq \text{HTP} \leq .95$  (IP @ SMYS for smaller IP of a and c above)

\_\_\_\_\_  $\leq$  \_\_\_\_\_  $\leq$  \_\_\_\_\_

##### 2. For gas P/L riser component:

Is  $1.50 \text{ MSP} \leq \text{HTP of riser} \leq .95$  (IP @ SMYS of c above)

2,160  $\leq$  2,880  $\leq$  3,093

##### 3. For gas P/L submerged component:

Is  $1.25 \text{ MSP} \leq \text{HTP of submerged component} \leq .95$  (IP @ SMYS of a above)

1,800  $\leq$  2,704 - 2,709  $\leq$  2,709

NOTE: If not, inquire of the operator as to what he considers a limit of testing as a percentage of IP @ SMYS.

NA

Operator's answer \_\_\_\_\_ % of IP @ SMYS (for smaller IP)

☒ h. MAOP<sub>p/l</sub> based on HTP

1. For oil P/L HTP/1.25 = \_\_\_\_\_

2. For gas P/L riser component HTP/1.5 = 1,917 / 1,920  
of riser  
2,704 - 2,709

3. For gas P/L submerged component HTP/1.25 = 2,163 - 2,167  
of submerged  
component

☒ i. ~~For oil P/L Is HTP hold time = 24 hours~~

☒ For gas P/L Is HTP hold time = 8 hours 24

☒ j. MAOP<sub>p/l</sub> = the smallest of b, d, e, and h above

1,440 (MAOP<sub>p/l</sub>)

☒ k. Test pressure ANSI & API carbon steel RTJ & RF flanges and valves

2,175 (From table 3.1 page 31 API RP 14E)

☒ l. Is k > HTP

NOTE: If not, add statement in approval letter to insure valves and flanges are not subjected to test pressure.



- E. Verify that the information given on the submitted data sheet is complete; and calculate the life expectancy of the pipelines corrosion protection ( $LE_{p/1}$ )

I. General Information for Calculating  $LE_{p/1}$

☒ a. Type of corrosion protection (platform anodes, P/L anodes, or rectifiers)

~~NA~~ b. If platform anodes are used:

1. Type of anode ☒
2. Weight of unit anode, lbs.

☒ c. If pipeline anodes are used:

1. Type of anode ZN
2. Spacing interval, ft. 700
3. Weight of unit anode, lbs. 260

II. Calculated Life Expectancy of Corrosion Protection

~~NA~~ a. If platform anodes are used, are they considered adequate                     

           b. If pipeline anodes are used:

$$LE_{p/1} = 3.82 \times 10^4 \times W^0 / DIR? = \underline{50.76}$$

$W^0$  = weight of one anode, pounds =

D = outside diameter of pipe, inches

I = interval = length of pipe, feet ÷ total number of anodes

R = consumption rate, lbs./amp-yr.

☒ c. Is our calculated  $LE_{p/1} \geq 20$  years

50.76

F. Verify that the information given on the submitted data sheet is complete; and calculate the specific gravity of the pipeline ( $SG_{p/1}$ )

I. General Information pertaining to  $SG_{p/1}$

- a. Description of pipelines protective coating 60 mile X-Thru core
- b. Description of risers protective coating END COAT 750 + 772 TOP COAT
- c. Description of pre-concrete coating \_\_\_\_\_
- d. Density of concrete, lbs./cu. ft. 140
- e. Thickness of concrete, inches 1"
- f. Thickness of ~~asphalt~~/somatic 1/2"
- g. Gravity or density of products .6

For gas .6 (air = 1.0)

For oil/condensate 2<sup>o</sup> API, \_\_\_\_\_ (water = 1.0)

- h. Given  $SG_{p/1}$  1.446

## II. $SG_{p/1}$

NA a. Epoxy-coated pipelines:

$$SG_{p/1} = 2.865 W/D^2$$

W = weight of bare pipe, lbs./ft.

D = diameter of pipe, inches

✓ b. For weighted pipelines:

$$SG_{p/1} = \frac{d_c}{d} + \frac{k_2}{(T-k_1)^2} \left( \frac{W+P}{k_3} - \frac{d_c}{d} \right) = \frac{140}{64} + \frac{34.52}{(6.88)^2} \left[ \frac{40.48+16.57}{\frac{64}{62.4} \times 46.99} - \frac{140}{64} \right] = 1.48$$

① 2.28    ② .729    ④ 57.05    ① 2.28  
③ 48.19

$d_c$  = density of concrete, lbs./ft.<sup>3</sup>

d = density of fluid in which pipeline is submerged, lbs./ft.<sup>3</sup>

$k_1, k_2, k_3$  = coefficients from tables

T = thickness of concrete coating, inches

W = weight of bare pipe, lbs./ft.

P = weight of double enamel coat and felt wrap, or weight of asphaltmastic coating, lbs./ft.

$$SG_{p/1} = \underline{1.48}$$

✓ c. Is our calculated SG  $\approx$  operator's given SG

$$\underline{1.48} \approx \underline{1.446}$$

NOTE: These values should be approximately the same. If not, resolve. If the SG is close to a value of 1, the pipeline is unacceptable and must be weighted with concrete or anchored securely to the bottom.

## G. Verify the following general information:

I. Water Depth, ft. 123 (Max)            (Min)

II. Burial depth, ft. 3' -

III. Maximum Operating Pressure (MOP) 1,440 (MAOP) 1,250 PSIG (Normal expected)

IV. Capacity 40 M<sup>3</sup> CF/D

**Memorandum**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTIN REPLY REFER TO:  
OCS-G 4033To : Conservation Manager  
: Gulf of Mexico OCS Operations

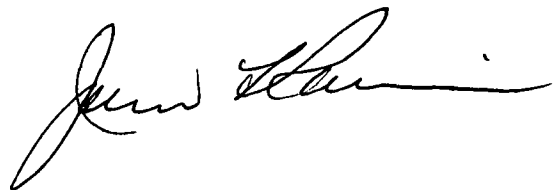
Date: August 3, 1979

FROM : Manager, New Orleans OCS Office

SUBJECT: Michigan Wisconsin Pipe Line Company's Amended Pipeline Right-of-  
Way Application (OCS-G 4033)

Attached is additional information which you may use to further evaluate the subject amended application.

If you have any questions regarding this matter, please contact Mr. Autry J. Britton of this office.

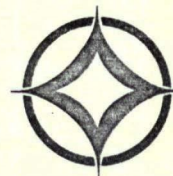


## Attachments

1. Amended Application dated July 23, 1979
2. Drawing No. RC-622-32-1, Sheets 1 thru 2 of 2
3. Drawing No. PL-622-32-1
4. Drawing No. 622-32-1

NOTED - PATZ





JOHN F. COTA, VICE PRESIDENT  
ENGINEERING AND CONSTRUCTION ADMINISTRATION

MICHIGAN WISCONSIN PIPE LINE COMPANY  
MEMBER OF THE AMERICAN NATURAL RESOURCES SYSTEM

H-2502B  
MW-OS-24.2

JUL 23 1979

Mr. John L. Rankin, Manager  
Bureau of Land Management  
New Orleans OCS Office  
Hale Boggs Federal Building  
500 Camp Street, Suite 841  
New Orleans, LA 70130

Dear Mr. Rankin:

OCS-G-4033

RECEIVED  
JUL 30 11 22 AM '79  
BUR OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.

Please amend our application filed with your office on June 12, 1979 to reflect the following changes:

1. Item 1, Page 3

The length of the 10 3/4-inch pipeline between Block 241 and Block 242, Vermilion Area is changed from 3,877 feet (0.73 miles) to 4,346 feet (0.82 miles)

2. Item 2, Page 3

The line pipe is changed from 10.750" O.D. x 0.500" W.T., API-5L GR "B", 54.74 Lbs/Ft. to 10.750" O.D. x 0.365" W.T., API-5LX-X42, 40.48 Lbs/Ft.

3. Item 6, Page 3

The cathodic protection system will be 260# zinc bracelets spaced on 700 foot centers.

4. Item 7, Page 3

The protective coating on the line pipe is changed from 60 mils of X-TRU Coat to 1/2" Somastic w/1" of continuous concrete coating 140# C/Ft. The riser pipe remains the same to be coated with 60 mils of X-TRU Coat.

5. Item 9, Page 3

The bulk specific gravity of the empty pipe in seawater is changed from 1.3834 to 1.446.



Mr. John L. Rankin  
Bureau of Land Management  
Page 2

6. Item 11, Page 4

The MAOP is revised from 1953 psig to 2053.5 psig based on the pipe being 10.750" O.D. x 0.365" W.T. API-5LX-X42.

7. Item 13, Page 4

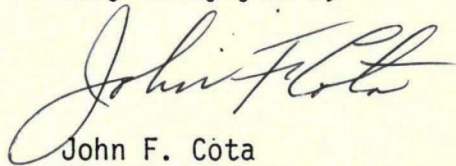
The hydrostatic test pressure is revised from the range of 2875 to 2880 psi to 2704 to 2709 psi. The pre-test on the riser remains the same.

8. Rental, Page 5

The mileage upon which the rental is based is changed from 0.73 miles to 0.82 miles.

These changes have been made on the data sheets and drawings previously furnished with our application and three (3) copies of each are attached. The items amended on the attached data sheets are indicated by an asterick (\*)

Very truly yours,



John F. Cota  
Vice President  
Engineering and Construction  
Administration



Attachments

(CORPORATE SEAL)

RECEIVED  
JUL 30 11 22 AM '79  
BUR OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.



Mr. John L. Rankin  
Bureau of Land Management  
Page 3

10. Any break, leak failure of accident will be reported within twelve (12) hours after such occurrence as provided for in said guidelines,

Additional design criteria data is as follows:

- \* 1. The length of the 10-inch pipeline between the riser and the underwater tap valve will be 4,346 feet or 0.82 miles,
- \* 2. The line pipe will be:  
10,750" O.D, x 0.365" W.T., API-5LX-X42, 40.48 Lbs/Ft.
- 3. The riser piping will be:  
10,750" O.D, x 0.500" W.T., API-5L GR, "B" 54.74 Lbs/Ft.
- 4. The products to be transported by the pipeline is natural gas.
- 5. The water depth is approximately 123 feet along the proposed right of way.
- \* 6. The cathodic protection system will be 260 # zinc bracelets spaced on 700 foot centers.
- \* 7. Protecting coating used on the 10-inch under water line pipe is 1/2" Somatic w/1" continuous concrete coating 140# C/Ft. and the riser pipe will be coated with 60 mils of X-TRU Coat.
- 8. The 16-inch casing pipe used on the riser section will be coated with Endcor 750 Primer and 772 top coat.
- \* 9. The bulk specific gravity of the empty pipe in seawater is 0.60.
- 10. The anticipated specific gravity of the natural gas is 0.60.
- 11. The operating pressure of the 10-inch pipeline will be 1440 psig.

Maximum Allowable Operating Pressure will be 1440 psig.

Minimum Allowable Operating Pressure based on line pipe is:

$$MAOP = \frac{2 \text{ St}}{D} \times F \times E \times T$$

\*Amended 7/6/79  
W.K.P.

Mr. John L. Rankin  
Bureau of Land Management  
Page 4

\* 11. (Continued)

$$\text{MAOP} = \frac{2(42,000) \times 0.365}{10.75} \times 0.72 \times 1.0 \times 1.0 = 2053.5 \text{ psig}$$

Maximum Allowable Operating Pressure based on the riser piping is:

$$\text{MAOP} = \frac{2(35,000) \times 0.500}{10.750} \times 0.5 \times 1.0 \times 1.0 = 1628 \text{ psig}$$

12. The design capacity of the 10-inch is 40 MMCFD.
- \* 13. The 10-inch pipeline will be hydrostatically tested at pressures ranging from 2704 psi to 2709 psi and held for 24 hours. The riser section will be pre-tested prior to installation to 2880 psi for 24 hours.

14. All piping, fittings, risers and components of the pipeline are designed in compliance with 49 CFR 192.

15. Construction information:

|                                               |                |
|-----------------------------------------------|----------------|
| Estimated Starting Date:                      | August 1, 1979 |
| Method of Construction:                       | Lay Barge      |
| Method of Burial:                             | Jet Bury Barge |
| Estimated time required to lay and bury pipe: | 7 days         |
| Estimated time to complete project:           | 30 days        |

Enclosed are three copies each of the maps and drawings referred to above, prepared and certified in accordance with applicable guidelines.

Michigan Wisconsin Pipe Line Company has previously filed all necessary papers required under Subparagraph 2883.1, part (c) of the regulations, said filing being found in Qualification File Number 160 in your office.

Also enclosed please find three copies of the Nondiscrimination in Employment Statement executed by a Vice President of Michigan Wisconsin Pipe Line Company.

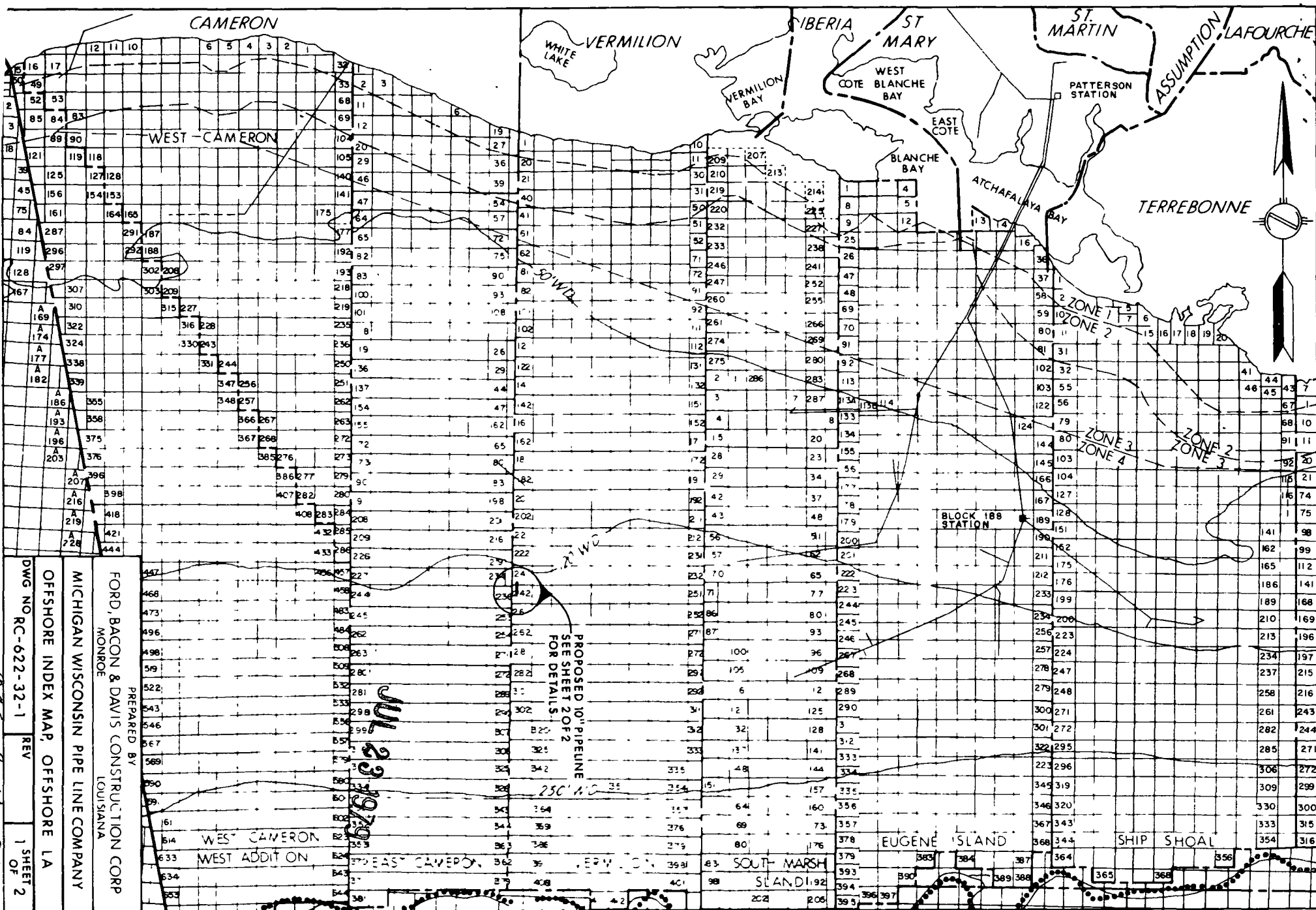
- \* A filing fee of \$10.00, together with the first year's rental of \$5.00, computed on 0.82 miles of right of way, is enclosed.

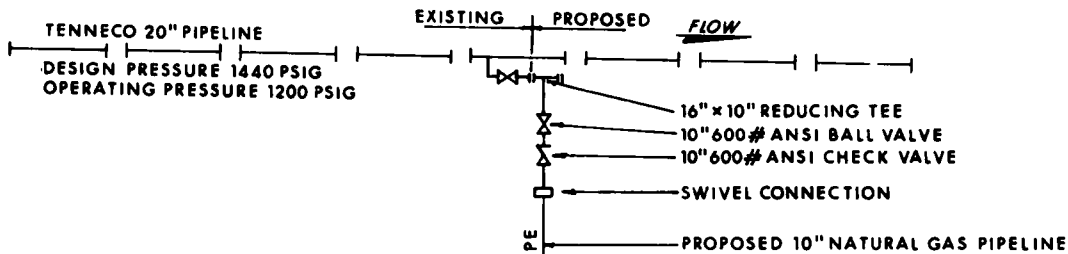
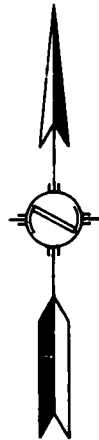
RECEIVED  
JUL 30 11 22 AM '79  
BUREAU OF LAND MANAGEMENT  
NATIONAL OFFICE  
WASHINGTON, D.C.

\* Amended 7/6/79  
W.K.P.



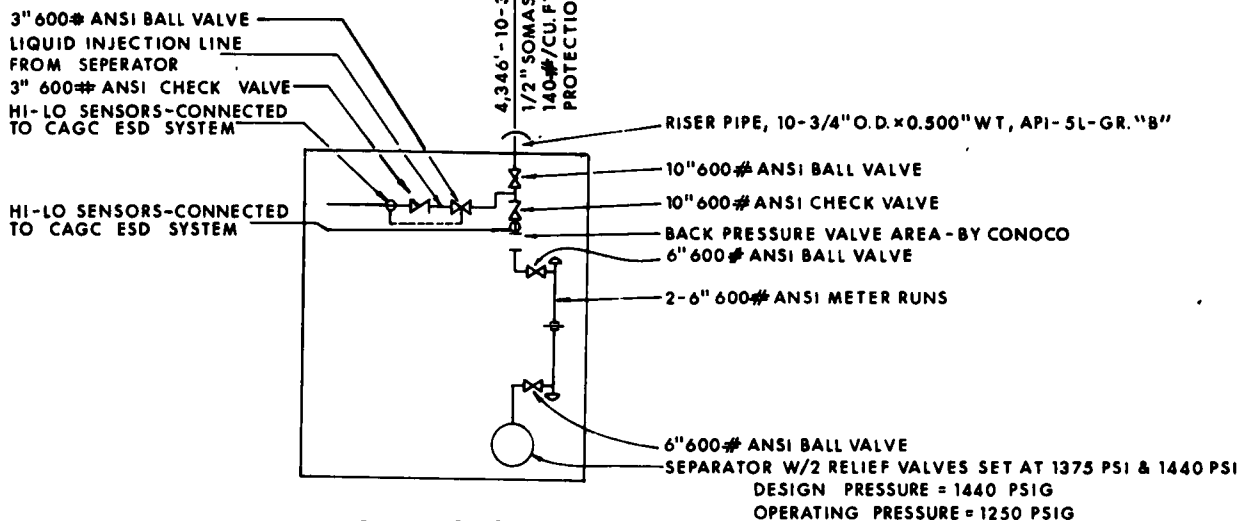
**BEST AVAILABLE COPY**





NOTES:

1. FACILITIES DESIGNED IN ACCORDANCE WITH D.O.T REGULATIONS.
2. DESIGN PRESSURE 1440 PSIG  
OPERATING PRESSURE 1250 PSIG
3. ALL VALVE FLANGES AND FITTINGS ARE ANSI 600 OR BETTER.
4. WATER DEPTH IS APPROXIMATELY 123'.

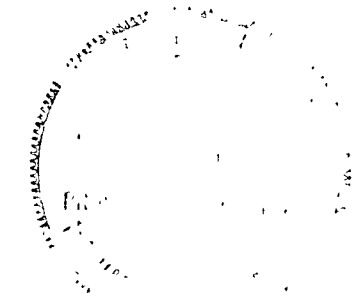


CAGC BLOCK 242 PLATFORM  
VERMILION AREA

JUL 27 1979

- △ GENERAL REVISION EDW 7-21-79 APP'D. *[Signature]*
- △ REVISED PIPE DATA EDW 6-28-79 APP'D. *[Signature]*
- △ GENERAL REVISION EDW 4-24-79 APP'D. *[Signature]*

|                           |              |                                         |                                                       |
|---------------------------|--------------|-----------------------------------------|-------------------------------------------------------|
| SCALE NONE                |              | SCHEMATIC<br>SAFETY SHUT DOWN<br>SYSTEM | MICHIGAN WISCONSIN PIPE LINE CO.<br>DETROIT, MICHIGAN |
| DRAWN EW                  | DATE 2-22-79 |                                         |                                                       |
| CHECKED <i>WAB</i>        | DATE 3-26-79 |                                         | DWG. NO. PL-622-32-1                                  |
| APPROV <i>[Signature]</i> | DATE 3-29-79 |                                         | A                                                     |



1005-G 4033





# United States Department of the Interior

## FISH AND WILDLIFE SERVICE

Coastal Ecosystems  
P.O. Box 4696  
Panama City, Florida 32401

August 21, 1979

R

### Memorandum

To : Manager, New Orleans OCS Office, Bureau of Land Management,  
New Orleans, La.

From : Assistant Leader - Coastal Ecosystems Activities, FWS  
Panama City, FL

Subject: Review of Pipeline Applications

RECEIVED  
AUG 27 11 44 AM '79  
BUREAU OF LAND MGMT.  
OFFICE OF CONTINENTAL  
SHELL OFFICE  
NEW ORLEANS, LA.

We have reviewed the following applications and have no objections to the proposed operations at these sites. The Environmental Assessment Branch, National Marine Fisheries Service, was consulted regarding these applications and it has no objections.

1. Amended Pipeline Application, Michigan Wisconsin Pipe Line Company, OCS-G 4033, Vermilion Area
2. Pipeline Application, Transcontinental Gas Pipe Line Corporation, OCS-G 4059, South Timbalier Area
3. Pipeline Application, Tenneco Inc., OCS-G 4061, East Cameron Area, South Addition and West Cameron Area, South Addition
4. Pipeline Application, Tenneco Inc., OCS-G 4150, East Cameron Area
5. Pipeline Application, Michigan Wisconsin Pipe Line Company, OCS-G 4151, West Cameron Area
6. Pipeline Application, Transcontinental Gas Pipe Line Corporation, OCS-G 4152, West Cameron Area
7. Pipeline Application, Southern Natural Gas Company, OCS-G 4153, East Cameron Area and West Cameron Area

*James M. Barkuloo*  
James M. Barkuloo



# United States Department of the Interior

## GEOLOGICAL SURVEY

434 IMPERIAL OFFICE BLDG., 3301 N CAUSEWAY BLVD

LVV ~~UPL~~ BOX 7944

TEL (504) 837-4720

FILE CODE  
METARIE, LOUISIANA 70010  
ROUTE INITIAL

~~MGR.~~  
~~ASST. MGR.~~

AUG 3 1979

AUG 27 1979

In Reply Refer To: OS-5

~~P. LEGAL~~  
~~PAO~~  
~~EAD~~  
~~OPS~~  
~~STUDIES~~  
~~MGMT. SER.~~

### Memorandum

To: Manager, Bureau of Land Management, 841 Hale Boggs Federal Building, 500 Camp Street, New Orleans, Louisiana 70130

From: Conservation Manager, Gulf of Mexico Region

Subject: Michigan Wisconsin Pipe Line Company's Amended Pipeline Right-of-Way Application, BLM OCS-G 4033

Your memorandum of August 3, 1979, transmitted several revisions to the subject Right-of-Way Application for our review and comment. Based on these revisions, the first three paragraphs of our memorandum of May 22, 1979, are revised to read as follows:

"We have reviewed the safety features and design specifications for the subject Right-of-Way Application, dated April 16, as amended July 23, and August 3, 1979, in accordance with the MOU dated August 1, 1974. It is for the construction, maintenance, and operation of a 10 3/4-inch gas pipeline 4,346 feet in length from CAGC's Platform "A", Vermilion Block 242, lease OCS-G 3133, to a subsea tie-in with the receiving 20-inch Tennessee Gas pipeline (BLM OCS-G 3852) in Vermilion Block 241, lease OCS-G 3132.

"Based upon information submitted in the application, the design characteristics of this pipeline are calculated to be as follows:

| <u>Pipeline Component</u> | <u>Maximum Allowable Operating Pressure/WP Ratings</u> |
|---------------------------|--------------------------------------------------------|
| Submerged component       | 2,054 psig                                             |
| Riser component           | 1,628 psig                                             |
| Valves, flanges, fittings | 1,440 psig                                             |

"The hydrostatic pressure test with water will be in the range of 2,704 to 2,709 psig for 24 hours for the submerged component. The riser will be preinstallation-tested to a pressure of 2,880 psig for 24 hours. The ANSI 600 valves should not be



subjected to a test-pressure differential greater than 1,440 psig. The ANSI 600 valves, flanges, and fittings should not be subjected to a body test greater than 2,175 psig."

This memorandum gives written confirmation of the verbal recommendation given to Mr. Autry Britton of your office by Mr. David J. Patz of this office on August 8, 1979.

  
Acting Conservation Manager

073  
5-24-79



# United States Department of the Interior

## GEOLOGICAL SURVEY

434 IMPERIAL OFFICE BLDG., 3301 N. CAUSEWAY BLVD

TEL (504) 837-4720

NEW ORLEANS OCS  
P.O. BOX 7544  
FILE CODE  
METAIRIE, LOUISIANA 70000  
ROUTE INITIAL  
MGR.  
ASST. MGR.

In Reply Refer To: OS-5

MAY 24 1979

MAY 22 1979

P. LEGAL  
PAO  
EAD  
OPS  
STUDIES  
MGMT. SER.

### Memorandum

To: Manager, Bureau of Land Management, 841 Hale Boggs Federal Building, 500 Camp Street, New Orleans, Louisiana 70000  
From: Conservation Manager, Gulf of Mexico Region  
Subject: Michigan Wisconsin Pipe Line Company's Pipeline Right-of-Way Application, BLM OCS-G 4033, Reference 2883(210)

RECEIVED  
MAY 24 10 04 AM '79  
BUREAU OF LAND MANAGEMENT  
GULF OF MEXICO REGION  
SHELF OFFICE  
NEW ORLEANS, LA

We have reviewed the safety features and design specifications of the subject Right-of-Way Application, dated April 16, 1979, in accordance with the MOU dated August 1, 1974. It is for the construction, maintenance, and operation of a 10 3/4-inch gas pipeline 3,877 feet in length from CAGC's Platform "A", Vermilion Block 242, lease OCS-G 3133, to a subsea tie-in with the receiving 20-inch Tenneco pipeline (BLM OCS-G 3852), Vermilion Block 241, lease OCS-G 3132.

Based upon information submitted in the application, the design characteristics of this pipeline are calculated to be as follows:

| <u>Pipeline Component</u> | <u>Maximum Allowable Operating Pressure/WP Ratings</u> |
|---------------------------|--------------------------------------------------------|
| Submerged component       | 2,054 psig (073) PIPE CHANGE<br>2,344 psig             |
| Riser component           | 1,628 psig                                             |
| Valves, flanges, fittings | 1,440 psig                                             |

The hydrostatic pressure test with water will be at 2,704 to 2,709 psig for 24 hours. The ANSI 600 valves should not be subjected to a test-pressure differential greater than 1,440 psig. The ANSI 600 valves, flanges, and fittings should not be subjected to a body test greater than 2,175 psig.

Based on these calculations, we recommend that the maximum allowable operating pressure for this pipeline be 1,440 psig and that this pressure may be exceeded only when hydrostatically pressure-testing the pipeline. We also recommend that valves and taps at the subsea tie-in be provided with a minimum of three feet of cover, either through burial or with sandbags.



The technical aspects of the proposed pipeline are acceptable in accordance with appropriate regulations and standards.

We would appreciate receiving a copy of the plat showing the location of the pipeline as installed.

*Lowell S. Hammors*  
Acting Conservation Manager

# Ford, Bacon & Davis

## Construction Corporation

TELEPHONE 318/388-1530

ENGINEERS - CONSTRUCTORS

3901 JACKSON STREET  
P. O. BOX 1762  
MONROE, LOUISIANA 71201

August 1, 1979

RECEIVED  
AUG 2 10 01 AM '79  
BUREAU OF LAND MANAGEMENT  
OFFICE OF THE  
SHEET CONSULTANT  
NEW ORLEANS, LA  
TWX: 510-977-5395

H-2502B  
MW-OS-24.2

Mr. John L. Rankin, Manager  
Bureau of Land Management  
New Orleans OCS Office  
Hale Boggs Federal Building  
500 Camp Street, Suite 841  
New Orleans, LA 70130

Dear Mr. Rankin:

OCS-G-4033

Enclosed please find three (3) copies of the return receipts from the leaseholders notified of the change made on the above referenced permit application. Should you require additional information, please contact our office to the attention of the writer.

Very truly yours,

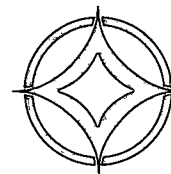


W. K. Peaker  
Project Manager - Offshore

crn  
Enclosure

cc: Messrs. M. J. Williams w/attachment  
J. R. Milam w/attachment  
A. T. Bartz w/attachment  
A. E. DeMoss w/attachment  
Ms. A. D. Lawn





JOHN F. COTA, VICE PRESIDENT  
ENGINEERING AND CONSTRUCTION ADMINISTRATION

MICHIGAN WISCONSIN PIPE LINE COMPANY  
MEMBER OF THE AMERICAN NATURAL RESOURCES SYSTEM

JUL 23 1979

H-2502B  
MW-OS-24.2

Mr. John L. Rankin, Manager  
Bureau of Land Management  
New Orleans OCS Office  
Hale Boggs Federal Building  
500 Camp Street, Suite 841  
New Orleans, LA 70130

Dear Mr. Rankin:

OCS-G-4033

RECEIVED  
JUL 30 11 08 AM '79  
BUREAU OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.

Please amend our application filed with your office on June 12, 1979 to reflect the following changes:

1. Item 1, Page 3

The length of the 10 3/4-inch pipeline between Block 241 and Block 242, Vermilion Area is changed from 3,877 feet (0.73 miles) to 4,346 feet (0.82 miles)

2. Item 2, Page 3

The line pipe is changed from 10.750" O.D. x 0.500" W.T., API-5L GR "B", 54.74 Lbs/Ft. to 10.750" O.D. x 0.365" W.T., API-5LX-X42, 40.48 Lbs/Ft.

3. Item 6, Page 3

The cathodic protection system will be 260# zinc bracelets spaced on 700 foot centers.

4. Item 7, Page 3

The protective coating on the line pipe is changed from 60 mils of X-TRU Coat to 1/2" Somastic w/1" of continuous concrete coating 140# C/Ft. The riser pipe remains the same to be coated with 60 mils of X-TRU Coat.

5. Item 9, Page 3

The bulk specific gravity of the empty pipe in seawater is changed from 1.3834 to 1.446.

Mr. John L. Rankin  
Bureau of Land Management  
Page 2

6. Item 11, Page 4

The MAOP is revised from 1953 psig to 2053.5 psig based on the pipe being 10.750" O.D. x 0.365" W.T. API-5LX-X42.

7. Item 13, Page 4

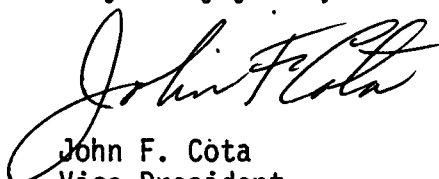
The hydrostatic test pressure is revised from the range of 2875 to 2880 psi to 2704 to 2709 psi. The pre-test on the riser remains the same.

8. Rental, Page 5

The mileage upon which the rental is based is changed from 0.73 miles to 0.82 miles.

These changes have been made on the data sheets and drawings previously furnished with our application and three (3) copies of each are attached. The items amended on the attached data sheets are indicated by an asterick (\*)

Very truly yours,



John F. Cota  
Vice President  
Engineering and Construction  
Administration

Attachments

(CORPORATE SEAL)



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BUR OF LAND MGMT  
OUTER OFFICE  
SHELF OFFICE  
NEW ORLEANS, LA.



# Ford, Bacon & Davis

## Construction Corporation

TELEPHONE 318/388-1530

ENGINEERS - CONSTRUCTORS

3901 JACKSON STREET  
P. O. BOX 1762  
MONROE, LOUISIANA 71201

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JUL 30 11 09 AM '79  
BUREAU OF LAND MANAGEMENT  
OUTER CONTINENTAL  
SHELF PROJECT  
NEW ORLEANS, LA  
TWX: 510-977-5795

July 26, 1979

H-2502B  
MW-OS-24.2

Mr. John L. Rankin, Manager  
Bureau of Land Management  
New Orleans OCS Office  
Hale Boggs Federal Building  
500 Camp Street, Suite 841  
New Orleans, LA 70130

Dear Mr. Rankin:

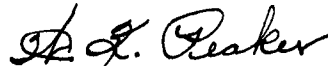
NEW ORLEANS OCS

| FILE CODE   | ROUTE      | INITIAL |
|-------------|------------|---------|
|             | MGR.       |         |
|             | ASST. MGR. |         |
| JUL 30 1979 |            |         |
|             | P. LEGAL   |         |
|             | PAO        |         |
|             | EAD        |         |
|             | OPS        |         |
|             | STUDIES    |         |
|             | MGMT. SER. |         |

OCS-G-4033

Enclosed please find a letter from Michigan Wisconsin Pipe Line Company wherein they request that certain revisions be made to the above referenced application. We have enclosed revised data sheets and maps to cover these revisions. Should you have any questions concerning these changes, please contact our office to the attention of the writer.

Very truly yours,



W. K. Peaker  
Project Manager - Offshore

crn  
Enclosure

cc: Messrs. M. J. Williams w/attachment  
J. R. Milam w/attachment  
A. T. Bartz w/attachment  
A. E. DeMoss w/attachment  
Ms. A. D. Lawn w/attachment

# Ford, Bacon & Davis

Construction Corporation

TELEPHONE 318/388-1530

ENGINEERS - CONSTRUCTORS

3901 JACKSON STREET  
P. O. BOX 1762  
MONROE, LOUISIANA 71201

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OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA

April 25, 1979

H-2502B  
MW-OS-24.2

Mr. John L. Rankin, Manager  
Outer Continental Shelf Land Office  
Bureau of Land Management  
Hale Boggs Federal Building  
500 Camp St., Suite 841  
New Orleans, LA 70130

Dear Mr. Rankin:

Application for Right-of-Way for  
a Proposed 10-inch Pipeline Located  
from Block 242 to Block 241, Ver-  
million Area, Offshore Louisiana,  
Gulf of Mexico

Ford, Bacon and Davis Construction Corporation is  
acting as agent for Michigan Wisconsin Pipe Line Company  
in filing for the required permits for their proposed  
offshore project referenced above. In this respect, we  
are submitting to your office the required data, in tri-  
plicate as follows:

1. Letter of application and statement of Non-Discrimination in Employment
2. Exhibit "A" Drawing Number RC-622-32-1
3. Exhibit "B" Certified receipts from Notification of Leaseholders
4. Exhibit "C" Safety shutdown schematic for platform
5. Draft Numbers R-88692 and R-88693 for the permit fee and first year's annual rental of the pipeline right-of-way



Mr. John L. Rankin  
Page 2  
April 25, 1979

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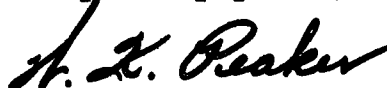
MAY 3 2 25 PM '79

6. Alignment Sheet Number 622-32-1  
7. Archaeological, Engineering and Hazard Reports

BUR OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.

Should you need additional data concerning this application,  
please contact our office to the attention of the writer.

Very truly yours,



W. K. Peaker  
Project Manager - Offshore

crn  
Enclosure

cc: Messrs. M. J. Williams w/attachment  
J. R. Milam w/attachment  
W. M. LeValley w/attachment  
A. E. DeMoss w/attachment  
Ms. A. B. Lawn w/attachment

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BUR OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.



JOHN F. COTA, VICE PRESIDENT  
ENGINEERING AND CONSTRUCTION ADMINISTRATION

**MICHIGAN WISCONSIN PIPE LINE COMPANY**  
MEMBER OF THE AMERICAN NATURAL RESOURCES SYSTEM

April 16, 1979

Mr. John L. Rankin, Manager  
New Orleans OCS Office  
Bureau of Land Management  
Hale Boggs Federal Building  
500 Camp Street, Suite 841  
New Orleans, Louisiana 70130

Dear Mr. Rankin:

RE: Application for Right of Way for a Proposed  
10-Inch Pipeline Located From Block 242 to  
Block 241, Vermilion Area, Offshore Louisiana,  
Gulf of Mexico

Pursuant to the authority granted in Section 5<sup>e</sup> of the Outer Continental Shelf  
Lands Act of August 7, 1953 (67 Stat. 462), as amended by Public Law 95-372  
effective September 18, 1978, and in compliance with the Regulations contained  
in Title 43, Subpart 2883, Section 2883.1, Title 30, Subpart 250, Section 250.19  
and the requirements contained in OCS Orders 8 and 9 issued January 1977, Michigan  
Wisconsin Pipe Line Company hereby applies, in triplicate, for the installation of  
a 10-inch natural gas pipeline as shown on the following drawings.

Hazard Survey Report

Vicinity, Route, Profile and Cathodic  
Protection Drawing, Drawing No. 622-32-1

Schematic Drawing, Drawing No. PL-622-32-1

The 10-inch pipeline will be used to transport natural gas from the Conoco Block 242  
platform, Vermilion Area, to an under water side tap assembly on Tenneco's 20-inch  
pipeline in Block 241, Vermilion Area, Gulf of Mexico.

In accordance with applicable regulations, the applicant agrees it will mail to each  
lessee or right of way holder whose lease or right of way is affected by this application,  
by registered mail, return receipt requested, a copy of the application and the maps  
attached hereto. A list of such lessees and right of way holders is attached and copies  
of the return receipts showing service upon such lessees and right of way holders will  
be forwarded to your office when received.

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Mr. John L. Rankin  
Bureau of Land Management  
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SHELF OFFICE  
NEW ORLEANS, LA.

As set forth in February 13, 1978 guidelines, the applicant agrees to the following:

1. The 10-inch pipeline will be buried a minimum of three (3) feet below the mud lines because the water depth does not exceed 200 feet at any point.
2. The proposed pipeline will cross no existing pipeline.
3. All valves and fittings on the submerged pipeline will be buried to a minimum of one (1) foot below the mud line.
4. Sensing devices and fail close valves will be installed as shown on the enclosed Schematic Drawing No. PL-622-32-1.
5. Three (3) copies of the Hazard Survey Report prepared by John Chance and Associates, Inc. and approved for our use is enclosed.
6. All changes, additions or deletions to any equipment on the pipeline will be made only after first securing the expressed written approval of your office.
7. Your office will be notified at least five (5) days prior to commencing construction and will be advised of construction date, approximate starting time, starting point, name of contractor and barge, availability of heliport facilities and approximate completion date.
8. Your office will be notified forty-eight (48) hours in advance of the hydrostatic test and will be advised of the location of the pressure recorder and approximate starting time of the test. Hydrostatic test data, including procedure, hold time and results will be furnished your office within one hundred eighty (180) days following the test.
9. Within one hundred eighty (180) days after completion of construction, applicant will provide an as-built map establishing the location of the completed pipeline within an accuracy of +/- 100 feet, prepared in accordance with the requirements for the map depicting the proposed route reflecting the total length of the line (all in feet) and depicting those points, if any, at which the pipeline is located outside of the right of way.

Mr. John L. Rankin  
Bureau of Land Management  
Page 3

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BUR OF LAND MGMT.  
OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.

10. Any break, leak failure of accident will be reported within twelve (12) hours after such occurrence as provided for in said guidelines.

Additional design criteria data is as follows:

1. The length of the 10-inch pipeline between the riser and the under water tap valve will be 3,877 feet or 0.73 miles.
2. The line pipe will be:  
10.750" O.D. x 0.500" W.T., API-5L GR. "B" 54.74 Lbs/Ft.
3. The riser piping will be:  
10.750" O.D. x 0.500" W.T., API-5L GR. "B" 54.74 Lbs/Ft.
4. The products to be transported by the pipeline is natural gas.
5. The water depth is approximately 123 feet along the proposed right of way.
6. The cathodic protection system will be 125# zinc bracelets spaced on 400 foot centers.
7. Protecting coating used on the 10-inch under water line pipe and riser pipe is 60 mils of X-Tru Coat.
8. The 16-inch casing pipe used on the riser section will be coated with Endcor 750 Primer and 772 top coat.
9. The bulk specific gravity of the empty pipe in seawater is 1.3824.
10. The anticipated specific gravity of the natural gas is 0.60.
11. The operating pressure of the 10-inch pipeline will be 1250 psig.

Maximum Allowable Operating Pressure will be 1440 psig.

Maximum Allowable Operating Pressure based on line pipe is:

$$MAOP = \frac{2 St}{D} \times F \times E \times T$$

Mr. John L. Rankin  
Bureau of Land Management  
Page 4

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OUTER CONTINENTAL  
SHELF OFFICE  
NEW ORLEANS, LA.

11. (Continued)

$$\text{MAOP} = \frac{2 (35,000) \times 0.500}{10.75} \times 0.60 \times 1.0 \times 1.0 = 1953 \text{ psig}$$

Maximum Allowable Operating Pressure based on the riser piping is:

$$\text{MAOP} = \frac{2 (35,000) \times 0.500}{10.750} \times 0.5 \times 1.0 \times 1.0 = 1628 \text{ psig}$$

12. The design capacity of the 10-inch is 40 MMCFD.
13. The 10-inch pipeline will be hydrostatically tested at pressures ranging from 2875 psig to 2880 psig and held for 24 hours. The riser section will be pre-tested prior to installation to 2880 psig for 24 hours.
14. All piping, fittings, risers and components of the pipeline are designed in compliance with 49 CFR 192.
15. Construction information:

|                                               |                |
|-----------------------------------------------|----------------|
| Estimated Starting Date:                      | August 1, 1979 |
| Method of Construction:                       | Lay Barge      |
| Method of Burial:                             | Jet Bury Barge |
| Estimated time required to lay and bury pipe: | 7 days         |
| Estimated time to complete project:           | 30 days        |

Enclosed are three copies each of the maps and drawings referred to above, prepared and certified in accordance with applicable guidelines.

Michigan Wisconsin Pipe Line Company has previously filed all necessary papers required under Subparagraph 2883.1, Part (c) of the regulations, said filing being found in Qualification File Number 160 in your office.

Also enclosed please find three copies of the Nondiscrimination in Employment Statement executed by a Vice President of Michigan Wisconsin Pipe Line Company.

A filing fee of \$10.00, together with the first year's rental of \$5.00, computed on 0.73 miles of right of way, is enclosed.



Mr. John L. Rankin  
Bureau of Land Management  
Page 5

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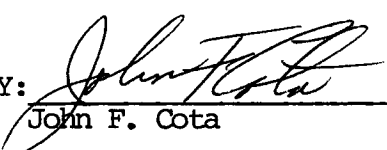
BUR OF LAND MGMT.

If the above and attached information meets with your approval, we would appreciate your issuing the necessary right of way at your earliest convenience. Inquiries concerning this application may be directed to the applicant at P.O. Box 1762, Monroe, Louisiana 71201, Attention, Mr. W. K. Peaker, 318/387-1175.

Very truly yours,

MICHIGAN WISCONSIN PIPE LINE COMPANY

BY:

  
John F. Cota

TITLE: Vice President, Engineering

Corporate Seal

Mr. John L. Rankin  
Bureau of Land Management  
Page 3

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JUL 30 11 08 AM '79  
BUREAU OF LAND MGMT.  
OUTER COASTAL  
SHELF OFFICE  
NEW ORLEANS, LA.

10. Any break, leak failure of accident will be reported within twelve (12) hours after such occurrence as provided for in said guidelines,

Additional design criteria data is as follows:

- \* 1. The length of the 10-inch pipeline between the riser and the underwater tap valve will be 4,346 feet or 0.82 miles,
- \* 2. The line pipe will be:  
10.750" O.D, x 0.365" W.T., API-5LX-X42, 40.48 Lbs/Ft.
- 3. The riser piping will be:  
10.750" O.D, x 0.500" W.T., API-5L GR, "B" 54.74 Lbs/Ft.
- 4. The products to be transported by the pipeline is natural gas.
- 5. The water depth is approximately 123 feet along the proposed right of way.
- \* 6. The cathodic protection system will be 260 # zinc bracelets spaced on 700 foot centers.
- \* 7. Protecting coating used on the 10-inch under water line pipe is  $\frac{1}{2}$ " Somastic w/1" continuous concrete coating 140# C/Ft. and the riser pipe will be coated with 60 mils of X-TRU Coat.
- 8. The 16-inch casing pipe used on the riser section will be coated with Endcor 750 Primer and 772 top coat.
- \* 9. The bulk specific gravity of the empty pipe in seawater is 1.446.
- 10. The anticipated specific gravity of the natural gas is 0.60.
- 11. The operating pressure of the 10-inch pipeline will be 1250 psig.

Maximum Allowable Operating Pressure will be 1440 psig.

Minimum Allowable Operating Pressure based on line pipe is:

$$MAOP = \frac{2 \text{ St}}{D} \times F \times E \times T$$

\*Amended 7/6/79  
W.K.P.

Mr. John L. Rankin  
Bureau of Land Management  
Page 4

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JUL 30 11 08 AM '79  
BUREAU OF LAND MANAGEMENT  
OUTER OFFICE  
SHEPHERD ST. S.W.  
WASHINGTON, D.C. 20501

\* 11. (Continued)

$$MAOP = \frac{2(42,000)}{10.75} \times 0.365 \times 0.72 \times 1.0 \times 1.0 = 2053$$

Maximum Allowable Operating Pressure based on the riser piping is:

$$MAOP = \frac{2(35,000)}{10,750} \times 0.500 \times 0.5 \times 1.0 \times 1.0 = 1628 \text{ psig}$$

12. The design capacity of the 10-inch is 40 MMCFD.
- \* 13. The 10-inch pipeline will be hydrostatically tested at pressures ranging from 2704 psi to 2709 psi and held for 24 hours. The riser section will be pre-tested prior to installation to 2880 psi for 24 hours.
14. All piping, fittings, risers and components of the pipeline are designed in compliance with 49 CFR 192.
15. Construction information:

|                                               |                |
|-----------------------------------------------|----------------|
| Estimated Starting Date:                      | August 1, 1979 |
| Method of Construction:                       | Lay Barge      |
| Method of Burial:                             | Jet Bury Barge |
| Estimated time required to lay and bury pipe: | 7 days         |
| Estimated time to complete project:           | 30 days        |

Enclosed are three copies each of the maps and drawings referred to above, prepared and certified in accordance with applicable guidelines.

Michigan Wisconsin Pipe Line Company has previously filed all necessary papers required under Subparagraph 2883.1, part (c) of the regulations, said filing being found in Qualification File Number 160 in your office.

Also enclosed please find three copies of the Nondiscrimination in Employment Statement executed by a Vice President of Michigan Wisconsin Pipe Line Company.

- \* A filing fee of \$10.00, together with the first year's rental of \$5.00, computed on 0.82 miles of right of way, is enclosed.

\* Amended 7/6/79  
W.K.P.



4033

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PIPELINE APPLICATION CHECK LIST

3877 (0.73428)

INSTRUCTIONS: Check the blank on the left if the statement is affirmative or correct data submitted. Mark N/A (not applicable) where appropriate. Place an X in the blank if the answer is no or if the data was not submitted. All blanks marked X must be rectified to a check (or qualified) before approval can be given for the pipeline. Enter data in the blanks on the right.

## A. Verify the following general information:

## I. SOP

- \_\_\_\_\_ a. Do the leases involved on the P/L application appear on the current Suspension of Production (SOP) Lease List?

## II. POD

- \_\_\_\_\_ a. Is the pipeline presently covered by an approved Plan of Development (POD)? (Discuss ROU&E with Doug.) If yes, go to III. If No, go to 250.34. (Requires submittal to POD/P by operator to District.)

## III. USGS Application

- \_\_\_\_\_ a. The applicant is a Federal lease holder and the pipeline is to be used for such purposes as:
- \_\_\_\_\_ 1. Moving production to a control point for gathering, treating, storing, or measuring.
  - \_\_\_\_\_ 2. Delivery of production to a point of sale.
  - \_\_\_\_\_ 3. Delivery of production to a pipeline operated by a transportation company.
  - \_\_\_\_\_ 4. Moving fluids in connection with lease operations, such as for injection purposes.
- \_\_\_\_\_ b. The pipeline is within the lease boundary owned by the operator (If yes, include 30 CFR 250.19(b) in approval.)
- \_\_\_\_\_ c. Pipeline is within contiguous lease boundaries. (If yes, include 30 CFR 250.19(b) in approval.)
- \_\_\_\_\_ d. Pipeline is within non-contiguous lease boundaries. (If yes, include 30 CFR 250.18(c) and 30 CFR 250.19(b) in approval.)
- \_\_\_\_\_ e. Lessee's "intent to cross" letter are received. (Wait 30 days for letters of objection. Only objections concerning interference with lease operations will be considered.)
- \_\_\_\_\_ f. Pursuant to Secretarial Order 2974 of April 30, 1975, check the following:

- ~~1. FWS notified \_\_\_\_\_.~~
- ~~2. FWS comment received \_\_\_\_\_.~~
- ~~3. BLM notified \_\_\_\_\_.~~
- ~~4. BLM comment received \_\_\_\_\_.~~
- ~~5. Environmental Impact Evaluations completed \_\_\_\_\_.~~
- ~~6. If related to new POD/P, date of POD/P approval \_\_\_\_\_.~~

IV. BLM Application

- ☒ a. The pipeline must be able to be subjected to common carrier provisions (i.e., no downstream production facilities or downstream pipelines which could not be subjected to common carrier provisions).

V. DOT Pipelines

- ☒ a. The pipelines are shoreward of the outlet flange at the first process facility (If yes, include 49 CFR 192 for gas P/L or 49 CFR 195 for oil P/L in approval).

VI. DOI Pipelines

- ☒ a. Pipelines not covered by V above.

B. Verify that the information shown on the safety equipment schematic drawing contains the following:

- ☒ I. The pipeline leaving the platform receiving production from the platform is equipped with high and low pressure sensors located upstream of departing check valves to directly or indirectly shut-in the well or wells on the platform.
- ☒ II. The pipeline delivering production to production facilities on the platform is equipped with an automatic fail close valve tied into the automatic and remote shut-in system. *SS7E*
- N/A* III. The pipeline crossing the platform which does not deliver production to the platform, but which may or may not receive production from the platform, is equipped with high and low pressure sensors connected to an automatic fail close valve located in the upstream portion of the pipeline at the platform. In addition, the sensors are tied into either the platform's automatic and remote shut-in system or an independent remote shut-in system.
- ☒ IV. The pipeline boarding the platform is equipped with a check valve. *SS7E*
- ☒ V. The pipeline leaving the platform is equipped with a check valve.
- N/A* VI. The pipeline pump is shown as well as its associated high and low pressure shut-in device.
- ☒ VII. If pipeline pilots are located on any process vessel, all flow restrictions (backpressure valves, chokes) downstream of pilots are indicated on the schematic.
- ☒ VIII. Pressure source is drawn into the schematic with the following:
- ☒ a. Source *SEPARATOR*
- ☒ b. Maximum source pressure, psig *1440*
- ☒ IX. The rated working pressures of all separators, pumps, compressors, valves, flanges, and fittings upstream of and including the boarding automatic fail close valve are shown.

*ANSI 600 1440 psi*



C. Verify that the location plat depicts the following:

**BEST AVAILABLE COPY**

- ☒ I. Location of P/L
- ☒ II. Length of P/L
- ☒ III. Size of P/L
- ☒ IV. Type of service
- ☒ V. Direction of flow

D. Verify that the information given on the submitted data sheet is complete; and calculate the  $MAOP_{sc}$ ,  $MAOP_{rc}$ ,  $MAOP_{p/l}$ .

I. General information for calculating  $MAOP_{sc}$ ,  $MAOP_{rc}$ , etc.

- a. Size of P/L, inches 10.75
- b. Weight of P/L, lbs./ft. 54.74
- c. Grade of P/L B
- d. Wall thickness, inches .500
- e. Size of riser, inches 10.75
- f. Weight of riser, lbs./ft. 54.74
- g. Grade of riser B
- h. Wall thickness of riser, inches .500
- i. Minimum WP rating of piping, fittings, valves, psig
- j. Hydrostatic test pressure (HTP), psig 2875-2880
- k. Hold time, hrs. 24
- l. Classification of P/L (oil or gas) gas

## III. DOT Pipelines

a. IP @ SMYS for submerged pipeline =  $\frac{2st}{D} = \frac{(2)(35000)(.5)}{10.75} = 3256$

b. (.72 x IP @ SMYS) for submerged pipeline = 2344 (MAOP<sub>sc</sub>)

c. IP @ SMYS for riser =  $\frac{2st}{D} = \frac{(2)(35000)(.5)}{10.75} = 3256$

d. For oil P/L (.60 x IP @ SMYS) for riser = \_\_\_\_\_ (MAOP<sub>rc</sub>)

For gas P/L (.50 x IP @ SMYS) for riser = 1628

e. See li above 1440 (MAOP<sub>pfv</sub>)

f. Are b, d, and e  $\geq$  MSP

1440  $\geq$  1440

NOTE: If not, a departure is necessary requiring redundant safety equipment.

STA A written request for a departure has been received and the redundant safety equipment is satisfactory.

## g. Limit of Testing

N/A 1. For oil P/L:

Is  $1.25 \text{ MSP} \leq \text{HTP} \leq .95 \text{ (IP @ SMYS for smaller IP of a and c above)}$

\_\_\_\_\_  $\leq$  \_\_\_\_\_  $\leq$  \_\_\_\_\_

✓ 2. For gas P/L riser component:

Is  $1.50 \text{ MSP} \leq \text{HTP of riser} \leq .95 \text{ (IP @ SMYS of c above)}$

2160  $\leq \frac{2875}{2880} \leq 3093$

✓ 3. For gas P/L submerged component:

Is  $1.25 \text{ MSP} \leq \text{HTP of submerged component} \leq .95 \text{ (IP @ SMYS of a above)}$

1800  $\leq \frac{2875}{2880} \leq 3093$

NOTE: If not, inquire of the operator as to what he considers a limit of testing as a percentage of IP @ SMYS.

Operator's answer \_\_\_\_\_ % of IP @ SMYS (for smaller IP)

h. MAOP<sub>p/l</sub> based on HTP

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1. For oil P/L HTP/1.25 =

✓ 2. For gas P/L riser component

2875 2880  
HTP/1.5 = 1917 / 1920  
of riser

✓ 3. For gas P/L submerged component

2875 2880  
HTP/1.25 = 2300 / 2304  
of submerged  
component

N/A i. For oil P/L Is HTP hold time  $\geq$  24 hours

✓ For gas P/L Is HTP hold time  $\geq$  8 hours 24 Hours

✓ j. MAOP<sub>p/l</sub> = the smallest of b, d, e, and h above

1440

(MAOP<sub>p/l</sub>)

✓ k. Test pressure ANSI & API carbon steel RTJ & RF flanges and valves

2175

(From table 3.1 page 31 API RP 14E)

✓ l. Is  $k > \text{HTP}$

NOTE: If not, add statement in approval letter to insure valves and flanges are not subjected to test pressure.



## IV. Pipeline Receiving Production ( Installed Prior to July 31, 1977)

|                                                                                                                                                                                         | <u>Submerged Component</u> | <u>Riser</u>     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------|
| a. Size, inches                                                                                                                                                                         | <u>20"</u>                 |                  |
| b. Grade                                                                                                                                                                                |                            |                  |
| c. Wall thickness, inches                                                                                                                                                               |                            |                  |
| d. Minimum working pressure of valves and flanges                                                                                                                                       |                            | <u>(MAOPpfv)</u> |
| e. Date of last hydrostatic test                                                                                                                                                        |                            |                  |
| f. HTP, psig                                                                                                                                                                            |                            |                  |
| g. Hold time, hours                                                                                                                                                                     |                            |                  |
| h. MAOP based on HTP<br>HTP/1.25                                                                                                                                                        |                            |                  |
| i. IP@SMYS for submerged P/L 2ST/D                                                                                                                                                      |                            |                  |
| j. (.72 X IP@SMYS) for submerged P/L                                                                                                                                                    |                            | <u>(MAOPsc)</u>  |
| k. IP@SMYS for riser 2ST/D                                                                                                                                                              |                            |                  |
| l. (.60 X IP@SMYS) for riser                                                                                                                                                            |                            | <u>(MAOPrc)</u>  |
| m. If the receiving P/L is a DOT gas P/L and has not been tested since July 1, 1971, then what is the HAOP to which the segment was subjected during the 5 years prior to July 1, 1976? |                            |                  |
| n. MAOP of receiving P/L — MAOP of proposed P/L —<br>MAOP of proposed P/L                                                                                                               |                            |                  |

G-3852  
1440

G-2121

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- E. Verify that the information given on the submitted data sheet is complete; and calculate the life expectancy of the pipelines corrosion protection ( $LE_{p/1}$ )

### I. General Information for Calculating $LE_{p/1}$

☒ a. Type of corrosion protection (platform anodes, P/L anodes, or rectifiers)

☒ b. If platform anodes are used:

1. Type of anode \_\_\_\_\_

2. Weight of unit anode, lbs. \_\_\_\_\_

☒ c. If pipeline anodes are used:

1. Type of anode ZINC

2. Spacing interval, ft. 400 ①

3. Weight of unit anode, lbs. 125

### II. Calculated Life Expectancy of Corrosion Protection

☒ a. If platform anodes are used, are they considered adequate \_\_\_\_\_

☒ b. If pipeline anodes are used:

$$LE_{p/1} = 3.82 \times 10^4 \times W^0 / DIR? = \frac{42.7 \text{ yrs } ①}{44.06 \text{ yrs } ②}$$

$W^0$  = weight of one anode, pounds =

D = outside diameter of pipe, inches

I = interval = length of pipe, feet ÷ total number of anodes  $\frac{3877}{10}$  ②

R = consumption rate, lbs./amp-yr.

☒ c. Is our calculated  $LE_{p/1} \geq 20$  years

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F. Verify that the information given on the submitted data sheet is complete; and calculate the specific gravity of the pipeline ( $SG_{p/1}$ )

I. General Information pertaining to  $SG_{p/1}$

- a. Description of pipelines protective coating GOALX X-TRUS COAT
- b. Description of risers protective coating \_\_\_\_\_
- c. Description of pre-concrete coating \_\_\_\_\_
- d. Density of concrete, lbs./cu. ft. \_\_\_\_\_
- e. Thickness of concrete, inches \_\_\_\_\_
- f. Thickness of asphalt/somastic \_\_\_\_\_
- g. Gravity or density of products \_\_\_\_\_

For gas 0.6 (air = 1.0)

For oil/condensate \_\_\_\_\_ ° API, \_\_\_\_\_ (water = 1.0)

h. Given  $SG_{p/1}$  1.3824



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II.  $SG_{p/1}$

✓ a. Epoxy-coated pipelines:

$$SG_{p/1} = 2.865 \frac{W}{D^2} (10.75)^2 = 1.357$$

W = weight of bare pipe, lbs./ft.

D = diameter of pipe, inches

N/A b. For weighted pipelines:

$$SG_{p/1} = \frac{d_c}{d} + \frac{k_2}{(T-k_1)^2} \left( \frac{W+P}{k_3} - \frac{d_c}{d} \right)$$

$d_c$  = density of concrete, lbs./ft.<sup>3</sup>

d = density of fluid in which pipeline is submerged, lbs./ft.<sup>3</sup>

$k_1, k_2, k_3$  = coefficients from tables

T = thickness of concrete coating, inches

W = weight of bare pipe, lbs./ft.

P = weight of double enamel coat and felt wrap, or weight of asphaltmastic coating, lbs./ft.

$$SG_{p/1} = \underline{\hspace{2cm}}$$

✓ c. Is our calculated SG  $\approx$  operator's given SG

$$\underline{1.357} \approx \underline{1.3824}$$

NOTE: These values should be approximately the same. If not, resolve. If the SG is close to a value of 1, the pipeline is unacceptable and must be weighted with concrete or anchored securely to the bottom.

G. Verify the following general information:

I. Water Depth, ft. 123 (Max) 123 (Min)

II. Burial depth, ft. 3'

III. Maximum Operating Pressure (MOP) 1200

IV. Capacity 40 MMCPD

**Memorandum**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT05-5  
IN REPLY REFER TO:  
2883 (210)

4033-1

MAY 8 1979

To : Conservation Manager  
Gulf of Mexico OCS Operations  
FROM : Manager  
New Orleans OCS Office  
SUBJECT: Michigan Wisconsin Pipe Line Company's Pipeline Right-of-way  
Application (OCS-G 4033)

Date: May 4, 1979

In accordance with the memorandum of understanding between the Bureau of Land Management and U. S. Geological Survey signed August 1, 1974, the subject application is attached.

Please review the technical aspects of the proposed pipeline. If you have any questions regarding this matter, please contact Mr. Autry J. Britton of this office.



## Attachments

1. Application dated 4/16/79
2. Drawing No. RC-622-32-1, Sheets 1 and 2 of 2,  
Revision 1 dated 4/24/79
3. Drawing No. PL-622-32-1, Revision 1 dated 4/24/79
4. Drawing No. 622-32-1, Sheet 1 of 1, Revision 1  
dated 4/24/79

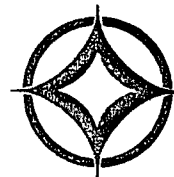
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SHELF OFFICE  
NEW ORLEANS, LA.



JOHN F. COTA, VICE PRESIDENT  
ENGINEERING AND CONSTRUCTION ADMINISTRATION

**MICHIGAN WISCONSIN PIPE LINE COMPANY**  
MEMBER OF THE AMERICAN NATURAL RESOURCES SYSTEM

April 16, 1979

Mr. John L. Rankin, Manager  
New Orleans OCS Office  
Bureau of Land Management  
Hale Boggs Federal Building  
500 Camp Street, Suite 841  
New Orleans, Louisiana 70130

Dear Mr. Rankin:

RE: Application for Right of Way for a Proposed  
10-Inch Pipeline Located From Block 242 to  
Block 241, Vermilion Area, Offshore Louisiana,  
Gulf of Mexico

Pursuant to the authority granted in Section 5(c) of the Outer Continental Shelf Lands Act of August 7, 1953 (67 Stat. 462), as amended by Public Law 95-372 effective September 18, 1978, and in compliance with the Regulations contained in Title 43, Subpart 2883, Section 2883.1, Title 30, Subpart 250, Section 250.19 and the requirements contained in OCS Orders 8 and 9 issued January 1977, Michigan Wisconsin Pipe Line Company hereby applies, in triplicate, for the installation of a 10-inch natural gas pipeline as shown on the following drawings.

Hazard Survey Report

Vicinity, Route, Profile and Cathodic  
Protection Drawing, Drawing No. 622-32-1

Schematic Drawing, Drawing No. PL-622-32-1

The 10-inch pipeline will be used to transport natural gas from the Conoco Block 242 platform, Vermilion Area, to an under water side tap assembly on Tenneco's 20-inch pipeline in Block 241, Vermilion Area, Gulf of Mexico.

In accordance with applicable regulations, the applicant agrees it will mail to each lessee or right of way holder whose lease or right of way is affected by this application, by registered mail, return receipt requested, a copy of the application and the maps attached hereto. A list of such lessees and right of way holders is attached and copies of the return receipts showing service upon such lessees and right of way holders will be forwarded to your office when received.



4033-1

Mr. John L. Rankin  
Bureau of Land Management  
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As set forth in February 13, 1978 guidelines, the applicant agrees to the following:

1. The 10-inch pipeline will be buried a minimum of three (3) feet below the mud lines because the water depth does not exceed 200 feet at any point.
2. The proposed pipeline will cross no existing pipeline.
3. All valves and fittings on the submerged pipeline will be buried to a minimum of one (1) foot below the mud line.
4. Sensing devices and fail close valves will be installed as shown on the enclosed Schematic Drawing No. PL-622-32-1.
5. Three (3) copies of the Hazard Survey Report prepared by John Chance and Associates, Inc. and approved for our use is enclosed.
6. All changes, additions or deletions to any equipment on the pipeline will be made only after first securing the expressed written approval of your office.
7. Your office will be notified at least five (5) days prior to commencing construction and will be advised of construction date, approximate starting time, starting point, name of contractor and barge, availability of heliport facilities and approximate completion date.
8. Your office will be notified forty-eight (48) hours in advance of the hydrostatic test and will be advised of the location of the pressure recorder and approximate starting time of the test. Hydrostatic test data, including procedure, hold time and results will be furnished your office within one hundred eighty (180) days following the test.
9. Within one hundred eighty (180) days after completion of construction, applicant will provide an as-built map establishing the location of the completed pipeline within an accuracy of +/- 100 feet, prepared in accordance with the requirements for the map depicting the proposed route reflecting the total length of the line (all in feet) and depicting those points, if any, at which the pipeline is located outside of the right of way.

4-3-1

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Mr. John L. Rankin  
Bureau of Land Management  
Page 3

10. Any break, leak failure of accident will be reported within twelve (12) hours after such occurrence as provided for in said guidelines.

Additional design criteria data is as follows:

1. The length of the 10-inch pipeline between the riser and the under water tap valve will be 3,877 feet or 0.73 miles.
2. The line pipe will be:  
10.750" O.D. x 0.500" W.T., API-5L GR. "B" 54.74 Lbs/Ft.
3. The riser piping will be:  
10.750" O.D. x 0.500" W.T., API-5L GR. "B" 54.74 Lbs/Ft.
4. The products to be transported by the pipeline is natural gas.
5. The water depth is approximately 123 feet along the proposed right of way.
6. The cathodic protection system will be 125# zinc bracelets spaced on 400 foot centers.
7. Protecting coating used on the 10-inch under water line pipe and riser pipe is 60 mils of X-Tru Coat.
8. The 16-inch casing pipe used on the riser section will be coated with Endcor 750 Primer and 772 top coat.
9. The bulk specific gravity of the empty pipe in seawater is 1.3824.
10. The anticipated specific gravity of the natural gas is 0.60.
11. The operating pressure of the 10-inch pipeline will be 1250 psig.

Maximum Allowable Operating Pressure will be 1440 psig.

Maximum Allowable Operating Pressure based on line pipe is:

$$MAOP = \frac{2 St}{D} \times F \times E \times T$$

Mr. John L. Rankin  
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11. (Continued)

$$MAOP = \frac{2 (35,000) \times 0.500 \times 0.60 \times 1.0 \times 1.0}{10.75} = 1953 \text{ psig}$$

Maximum Allowable Operating Pressure based on the riser piping is:

$$MAOP = \frac{2 (35,000) \times 0.500 \times 0.5 \times 1.0 \times 1.0}{10.750} = 1628 \text{ psig}$$

12. The design capacity of the 10-inch is 40 MMCFD.
13. The 10-inch pipeline will be hydrostatically tested at pressures ranging from 2875 psig to 2880 psig and held for 24 hours. The riser section will be pre-tested prior to installation to 2880 psig for 24 hours.
14. All piping, fittings, risers and components of the pipeline are designed in compliance with 49 CFR 192.
15. Construction information:

|                                               |                |
|-----------------------------------------------|----------------|
| Estimated Starting Date:                      | August 1, 1979 |
| Method of Construction:                       | Lay Barge      |
| Method of Burial:                             | Jet Bury Barge |
| Estimated time required to lay and bury pipe: | 7 days         |
| Estimated time to complete project:           | 30 days        |

Enclosed are three copies each of the maps and drawings referred to above, prepared and certified in accordance with applicable guidelines.

Michigan Wisconsin Pipe Line Company has previously filed all necessary papers required under Subparagraph 2883.1, Part (c) of the regulations, said filing being found in Qualification File Number 160 in your office.

Also enclosed please find three copies of the Nondiscrimination in Employment Statement executed by a Vice President of Michigan Wisconsin Pipe Line Company.

A filing fee of \$10.00, together with the first year's rental of \$5.00, computed on 0.73 miles of right of way, is enclosed.



Mr. John L. Rankin  
Bureau of Land Management  
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If the above and attached information sheets with your approval, we would appreciate your issuing the necessary right of way at your earliest convenience. Inquiries concerning this application may be directed to the applicant at P.O. Box 1762, Monroe, Louisiana 71201, Attention, Mr. W. K. Peaker, 318/387-1175.

Very truly yours,

MICHIGAN WISCONSIN PIPE LINE COMPANY

BY:

  
John F. Cota

TITLE: Vice President, Engineering

Corporate Seal

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LESSEES AND RIGHT OF WAY HOLDERS

VERMILION AREA  
OFFSHORE LOUISIANA

Block 241

Oil & Gas

OCS-G 3132

Tenneco Oil Company  
Samedan Oil Corporation  
Kerr-McGee Corporation

Pipeline

OCS-G 3852

Tenneco, Inc.

Block 242

Oil & Gas

OCS-G 3133

Getty Oil Company  
Continental Oil Company  
Atlantic Richfield Company

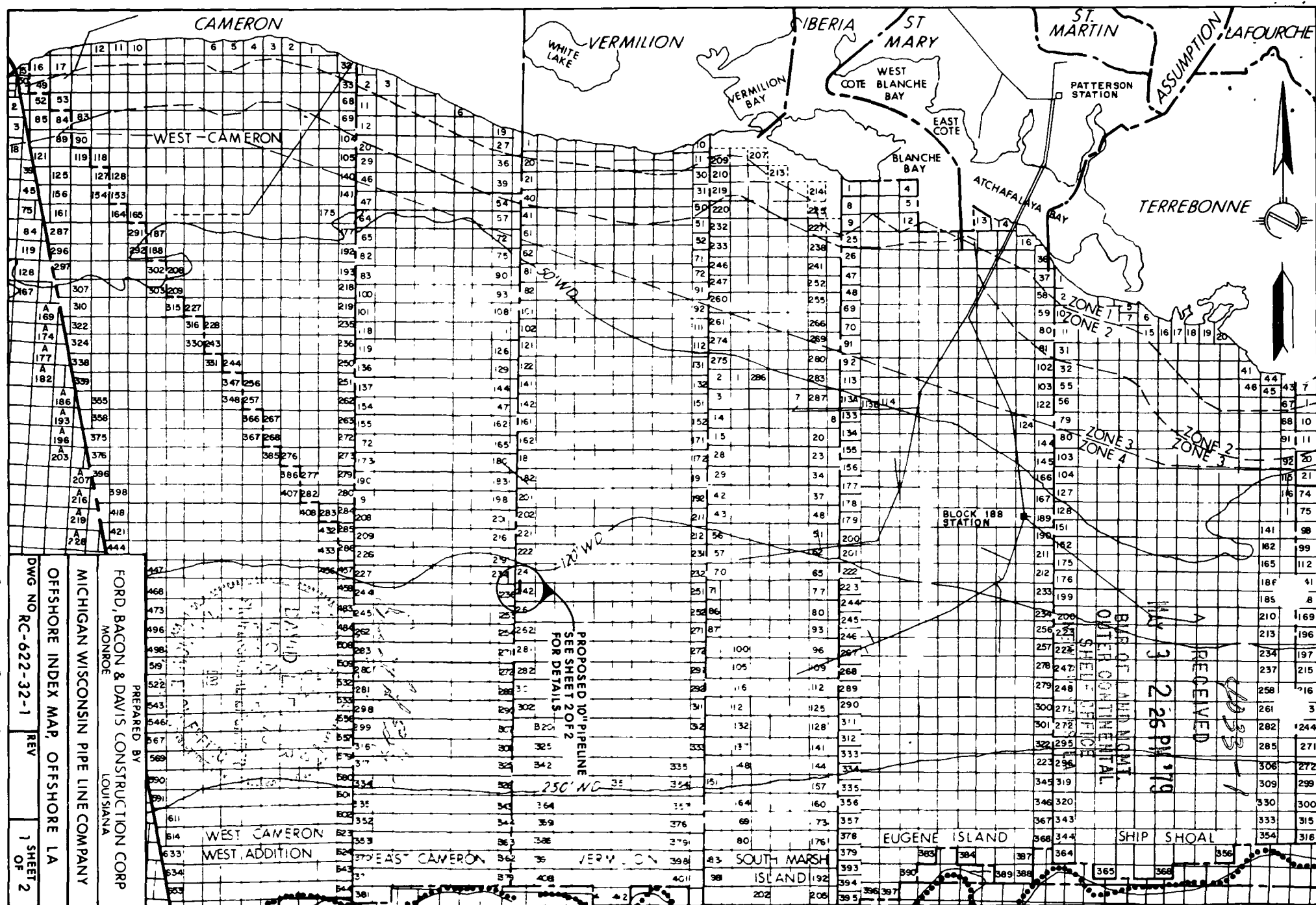
Pipelines

OCS-G 3851

Tenneco, Inc.

OCS-G 3852

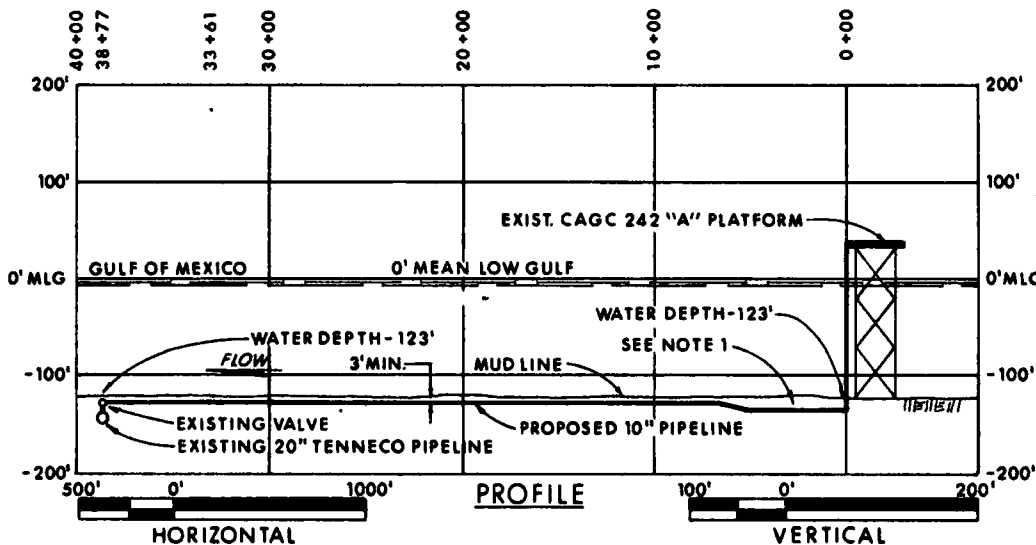
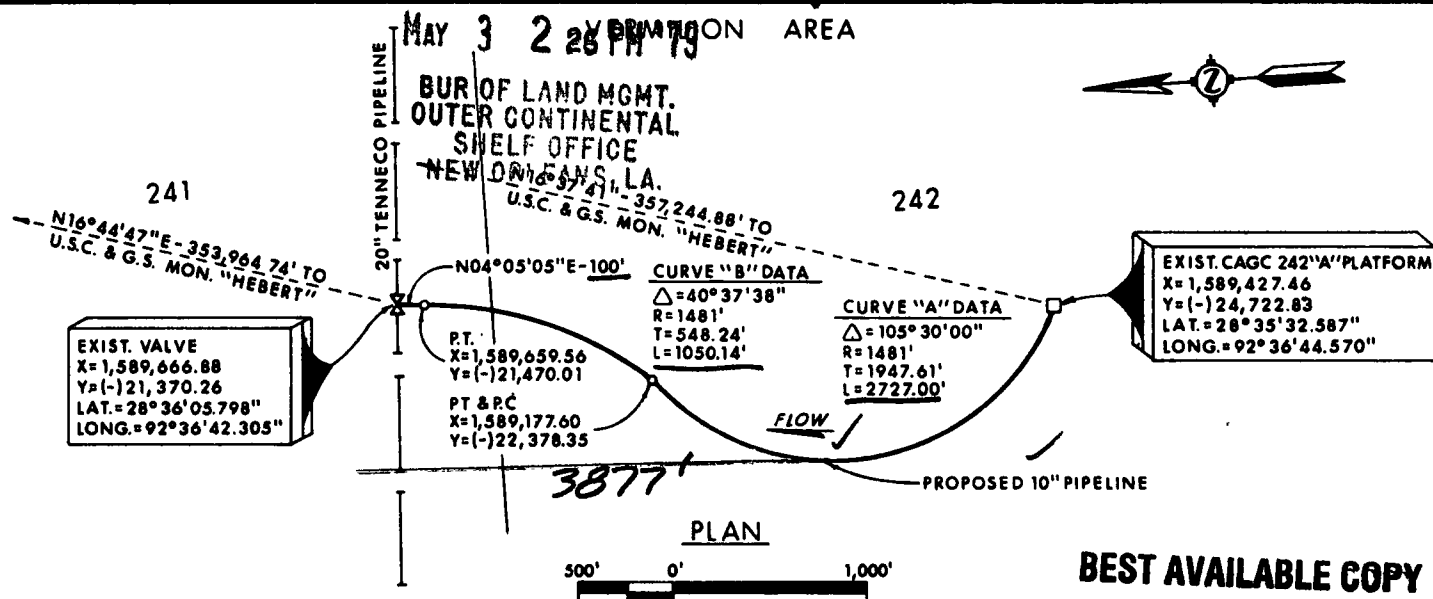
Tenneco, Inc.





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NOTES:

1. PIPE TO BE BURIED 8' MIN. WITHIN 500' RADIUS OF PLATFORM.
2. SPOIL FROM PIPE BURIAL TO BE DISTRIBUTED SO AS NOT TO DECREASE WATER DEPTH MORE THAN SIX INCHES.
3. DESIGN IN ACCORDANCE WITH D.O.T. REGULATIONS.

APPLICATION BY **Ford, Bacon & Dabis**  
**Construction Corporation**

ACTING AS AGENT FOR  
MICHIGAN WISCONSIN PIPE LINE CO.

DATE 4-24-79

REVISD LINE LOCATION EDW 4-24-79 APP'D.

PROPOSED  
10" NATURAL GAS PIPELINE  
CROSSING UNDER THE  
GULF OF MEXICO  
BLOCK 241 TO BLOCK 242  
VERMILION AREA

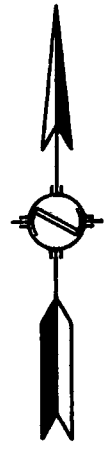
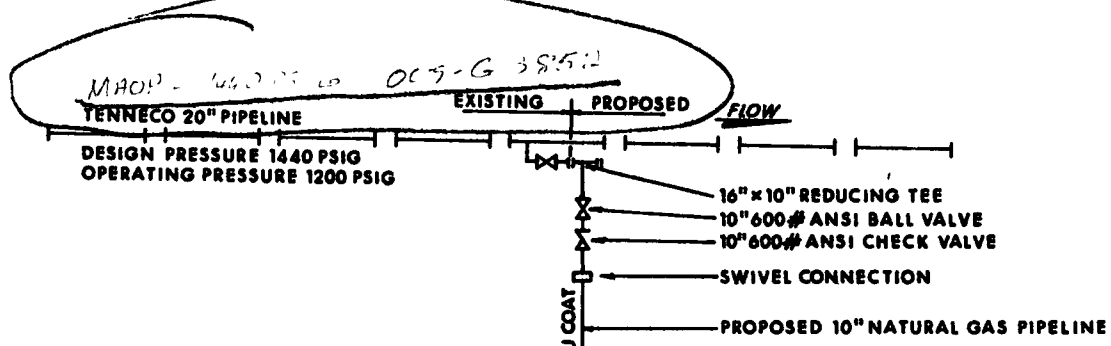
|                |              |                                                                                                                                |                                  |      |              |
|----------------|--------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------|--------------|
| DWG. E.D.W.    | DATE 1-16-79 | THIS PIPELINE TO BE USED TO<br>TRANSPORT NATURAL GAS FROM<br>VARIOUS GAS FIELDS OFFSHORE LA.<br>TO VARIOUS DISTRIBUTION POINTS | MICHIGAN WISCONSIN PIPE LINE CO. |      |              |
| SCALE AS SHOWN | APP'D.       |                                                                                                                                | DETROIT, MICHIGAN                |      |              |
| CHK'D. W.A.H.  | APP'D.       |                                                                                                                                | DWG. NO. RC-622-32-1             | REV. | 2 SHEET OF 2 |

DCS-64033

*This was in dug when  
it arrived HHSB*

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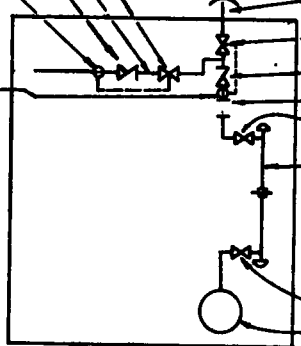


- NOTES:
1. FACILITIES DESIGNED IN ACCORDANCE WITH D.O.T. REGULATIONS.
  2. DESIGN PRESSURE 1440 PSIG  
OPERATING PRESSURE 1250 PSIG
  3. ALL VALVE FLANGES AND FITTINGS ARE ANSI 600 OR BETTER.
  4. WATER DEPTH IS APPROXIMATELY 123'.

3" 600# ANSI BALL VALVE  
LIQUID INJECTION LINE  
FROM SEPERATOR  
3" 600# ANSI CHECK VALVE  
HI-LO SENSORS-CONNECTED  
TO CAGC ESD SYSTEM

HI-LO SENSORS-CONNECTED  
TO CAGC ESD SYSTEM

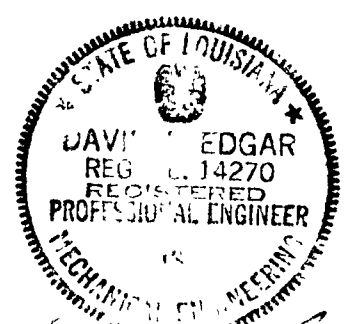
3877'-10-3/4" O.D. x 0.500" W.T. API-5L-GR. "B" X-TRU COAT  
CATHODIC PROTECTION, DEA-125# ZINC BRACLETS  
SPACED AT 400' INTERVALS



RISE PIPE, 10-3/4" O.D. x 0.500" W.T. API-5L-GR. "B" X-TRU COAT  
10" 600# ANSI BALL VALVE  
10" 600# ANSI CHECK VALVE  
BACK PRESSURE VALVE AREA - BY CONOCO  
6" 600# ANSI BALL VALVE  
2-6" 600# ANSI METER RUNS  
6" 600# ANSI BALL VALVE  
SEPARATOR W/2 RELIEF VALVES SET AT 1375 PSI & 1440 PSI  
DESIGN PRESSURE = 1440 PSIG  
OPERATING PRESSURE = 1250 PSIG

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CAGC BLOCK 242 PLATFORM  
VERMILION AREA



*David Edgar*

1 GENERAL REVISION EDW 4-24-79 APP'D. *[Signature]*

|                            |              |                                         |                                                       |
|----------------------------|--------------|-----------------------------------------|-------------------------------------------------------|
| SCALE NONE                 |              | SCHEMATIC<br>SAFETY SHUT DOWN<br>SYSTEM | MICHIGAN WISCONSIN PIPE LINE CO.<br>DETROIT, MICHIGAN |
| DRAWN E.W.                 | DATE 2-22-79 |                                         | DWG. NO. PL-622-32-1                                  |
| CHECKED <i>WAM</i>         | DATE 3-26-79 |                                         |                                                       |
| APPROV. <i>[Signature]</i> | DATE 3-29-79 |                                         |                                                       |
|                            |              |                                         | A                                                     |

DCS-G 4033